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# DRUG & CHEMICAL MARKETS

Established 1914

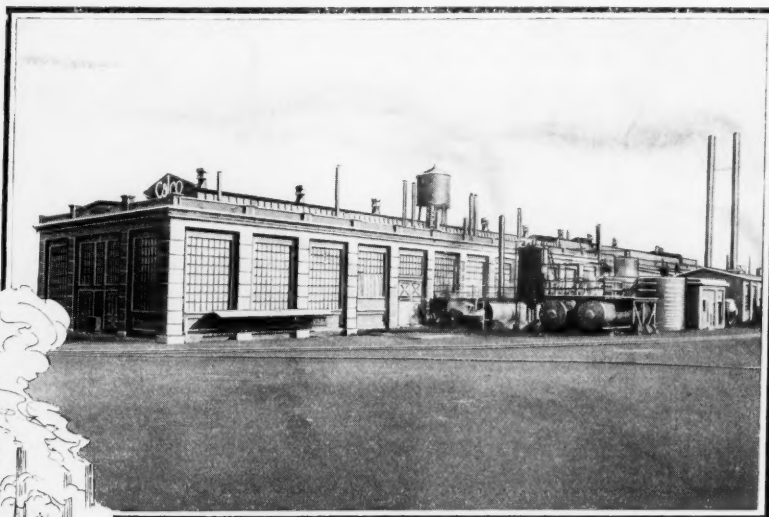
A Weekly Business Paper and Prices Current on  
Chemicals, Drugs, Colors, and Aromatics

VOL. XVIII

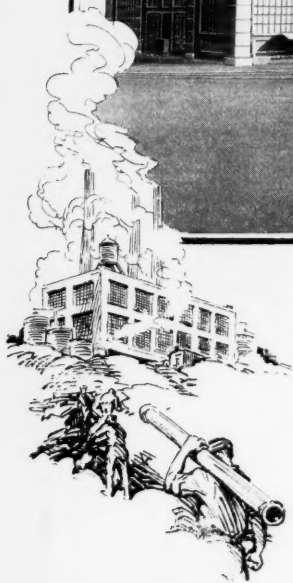
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A Weekly Business Paper and Prices Current on  
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Vol. XVIII

NEW YORK, JANUARY 13, 1926

No. 2



***In This Issue*** { *Java Meets Cinchona Overproduction*  
*Simplified Practice Aids Drug Trade*

# DRUG & CHEMICAL MARKETS

VOL. XVIII

NEW YORK, MARCH 25, 1926

No. 12

## A Drug on the Market

**D**RUGS formerly included not only all substances used in medicine, but also all spices, gums and dyes. When our grandmothers put up their preserves and pickles they went to the druggist—not the grocer—for their cloves, their nutmegs and allspice. There are still boss dyers who call the stockroom the “drug room”, for when madder, logwood and indigo furnished us with reds, blacks and blues, dyes were then drugs. Then, too, there were “drug and dye” merchants, and only within the year two men have died, survivors of that almost forgotten trade. Edwin Arnold of Providence and Geo. Morgan of Philadelphia were representatives of an era in our chemical and drug trade that in this aniline age is already historic.

**D**RUGS must have been one of the very early discoveries of man. Popular belief to the contrary, anthropologists have found many primitive people that have no conception of a life after death; but they have found none without some means of prolonging life on this earth. Often their cures were fantastic, of little therapeutic value; but in the pride of our modern science we must not forget that quinine—still the only known specific for a definite disease—is only the active principle of that same “black bark” which the South American Indians chewed to cure their malaria long before Columbus sailed from Palos. Even the cave man must have had his purgatives. To chew the fleshy pulp of Aloe Socotrine or drink the bitter waters of a spring impregnated with Magnesium

Sulphate produces results so direct that they could not long have escaped the most primitive experimenter. Today we extract Aloin for our pills and fortify our natural spring waters with Epsom Salts, U.S.P. We know that the action of the former is muscular and of the latter, hydrogogue. But after all, the original discovery, the first-forged link of cause and effect, was made uncounted centuries ago.

**D**RUGS were quite naturally one of the first articles of commerce. In that fertile valley that reaches north of the Persian Gulf between the Tigris and Euphrates rivers is found the earliest record of civilization, dating back to 6000 B.C. But no record has been found early enough to antedate the trading which the priests of Ur and Nappur, of Nineveh and Babylon did in Senna and Myrrh, Cloves and Aloes.

**D**RUGS have of late fallen into disrepute. Many preach openly against their use and few voices are raised, even within the medical profession itself, in the defense of these old, faithful servants of suffering humanity. This is neither gracious nor grateful, and in the perfect flood of anti-drug propaganda, it is pleasant to find an honest man who speaks with authority fearlessly tell the public the proper place that drugs occupy as a weapon against disease and pain. So we are glad to print parts at least of Dr. Logan Clendenen's article from the March “American Mercury,” and we are sure that Pharmacy, Chemistry, and Medicine will join in our thanks to him.

### FRANCS AND PERFUMES

With the extreme instability of the French franc which made new low records over the week-end, the market for American goods in France and for French goods in America cannot help but be affected. To be sure, the French price of oils and concentrates usually advances to correspond to the decline of the franc, so that the price in American dollars shows little change with these variations. At the same time, however, there is always some uncertainty in the mind of the American buyer as to whether he should buy now or wait until he actually needs material. This uncertainty also leads many buyers in this country to speculate in the francs themselves, hoping that they can buy francs cheaply to pay for goods bought at a higher franc value.

Such a condition can nowise be regarded as healthy, and anything that will make toward stability in the foreign exchange of France or any other country would stimulate sound business and aid in a feeling of greater confidence among those who use foreign materials. As pointed out in an article appearing in this issue, the vagaries of the French franc are due largely to the playing of politics in the French Government, but this is greatly augmented by people who are purely and simply speculating in the franc. If this can be stopped and the Government be made to see the folly of its course, business among the American perfumers should be more healthy.

### SELLING AN INDUSTRY

The floating of new issues of common and preferred stocks by long established prosperous concerns, the securities of which previously were closely held, continues to embrace still more industries. The desirability of having greater numbers of the employees of a concern, and of the public, as shareholders is being more forcefully brought to the attention of executives as the most satisfactory method to arouse active interest in the welfare of any enterprise.

Public service companies have long been leaders in this procedure, and innumerable users of water, gas, electricity, and the telephone, hold one or more shares of stock in the companies to which they pay their bills. This results in a more complete realization on the part of the shareholding consumers of the problems of the company and restrains them from acting hysterically in matters that are written from the so-called common people's view point in the daily press.

Chemical and drug manufacturing concerns are in many cases following along similar lines, and certainly no other course could have greater effect in making the people of the country realize the importance of these industries to their general welfare. A man will be ever so much more inclined to acquaint himself with the facts of these industries, that are imagined to be profound mysteries, if some of his money is invested in them. He will readily lend his influence in favor of desired legislation, and against pernicious laws. He

will be a factor to be reckoned with in all cases, and he will be not particularly biased, but rather much more inclined to listen to both sides of a proposition before making a decision.

England is investigating alleged dumping of zinc oxide on their market by American producers, on complaints that American oxide is selling cheaper there than it does here. Anti-dumping actions have been one of the favorite weapons for American industry for some time. It will be interesting to see what the reaction will be when this weapon is turned against them. Will England attempt to have agents over here investigating the books of American producers and generally nosing into our business? If so, how will they be received on this side of the water. What is sauce for the goose, certainly ought to be sauce for the gander.

The opium question seems nearer a solution. Lord Reading in a speech to the Indian Legislature proposed the gradual abolition of the exportation of opium from India. The American delegate to the Geneva Conference wanted exports from all producing countries prohibited, but met with strong opposition. If India consents to a gradual reduction in exports, the action will be a step toward the American plan, which was opposed mainly because it meant a great loss of revenue to the Indian Government.

A German physician was recently sentenced to six months imprisonment for causing the death of a patient by prescribing an overdose of morphine and cocaine, and failing to correct his error when the pharmacist called it to his attention. Obviously not "Jersey justice".

## Ten Years Ago

(From Drug & Chemical Markets, March 22, 1916).

State Senator W. E. Rogers of Todd County, Kentucky, has introduced a bill into the Legislature requiring all medicines containing poison to be put up in specially designed bottles.

The plant of E. W. Kirk Soap Co. at Edina, Mo., is completed and in operation, working overtime turning out soap and glycerin. The caustic used is to be manufactured on the premises.

The spice market is governed by about the same conditions that obtain in other lines of imported commodities—scarcity of bottoms, high freight rates, war risk insurance restrictions—making the market generally unsettled and supplies uncertain.

At the 18th annual general meeting of the Bradford Dyers Association, Ltd., held at Bradford, England, February 28th, 1916, the growth of the dyestuff industry since the beginning of the war and its importance in the development to the state were the leading subjects of discussion.

Potash has increased in price from \$39.00 to \$500.00 a ton since the war begun, according to the announcement made by the U. S. Geological Survey.

It was reported in Chicago this week that a deal has been closed for the construction of a new building to be occupied by the offices and warehouse of the Fuller-Morrisson Co., the leading successor to two of the pioneer wholesale drug houses in Chicago.



# DRUGS

LOGAN CLENDENING

**T**HE idea seems to be prevalent today that belief in the action of drugs is a kind of superstition. Dicta to support that view emanate regularly from various sources. Sometimes they come from practitioners of the new healing cults, osteopathy, chiropractic and Christian Science, and from such faddists as the physical culture and the "nature cure" enthusiasts. Other attacks upon drugs come from laymen who are not so obviously biased; Henry Ford, for instance, was recently quoted to the effect that he felt that they were worthless and had urged the physicians at his hospital in Detroit to discontinue their use. Still other such onslaughts issue from the most conventional of medical sources — in popular explanations of medical mysteries by orthodox practitioners, in verbal expositions to patients, or in pronouncements to classes of medical students.

The forms which the dogma takes are equally varied, but the underlying arguments may be reduced to three general propositions: (1) that the use of drugs is not nature's method of healing; (2) that drugs are either actually poisonous or contain by-products which injure the patient, or as a corollary, that they dope or benumb him, disguising his real symptoms; (3) that the physicians' use of drugs is largely guess-work; that he puts a substance, the action of which he does not know, into a patient the cause of whose distress he does not understand.

## Development of Doubts

Toward the middle of the Nineteenth Century . . . many new forces operated to decrease the esteem in which drugs had once been held. Until 1850 they still constituted about the only method of treatment, save vaccination and taking the waters, worthy of serious consideration. But during the next fifty years surgery, dietetics, immunology, psychotherapy and the X-ray were all born, and massage, hydrotherapy and climatotherapy were fitted into their present exact places in the medical scheme of things. Since 1900 the deletion of focal infections, the discovery of hypersensitive reactions to foods, pollens and animals, the manipulation of the cerebro-spinal fluid, the transfusion of blood and scores of other special methods of treatment have suggested countless new ideas to medical men. Naturally, with so rapidly increasing a family, it would be ungracious to continue the favoritism of the eldest. But it would be an error to suppose that the use of drugs in medicine did not share in the scientific advancement of the Nineteenth Century. On the contrary, no science benefited more abundantly from the fertilization going on everywhere than pharmacology and pharmacotherapy. . . .

Every year I attempt to teach a class of senior medical students the principles and practice of medical treatment. In doing so I try to take a broad view of the subject, and we inquire into the use of massage, of baths, of water and of electrical treatments. We write on the blackboard a list of the diseases which these methods may be reasonably expected to help. Every year we are struck with the small number of such diseases. For massage: when you have listed sprains, and the stiffness following fractures, some cases of paralysis,

and the discomforts of muscular rheumatism, certain neuralgias and that vague state called "general debility," you have about exhausted its possibilities. Yet chiropractic and osteopathy are merely forms of massage!

Turn now to drugs. Let us suppose that you are a skeptic. Let us make a list of the physiological changes in the body which can be accomplished by drugs. Let us begin with items which you can either test on yourself or will acknowledge to be true. From them you may be willing to admit other actions which you cannot check unless you have the technical equipment.

## Common Knowledge of Drug Efficacy

First, there is the great number of substances which will empty the intestines, largely by causing increased muscular action in the intestinal wall. Everyone, I think, will admit

that they exist, for almost everyone, at some time or other, uses them. And you will follow me, I believe, out of your own experience a step further: you will admit that belladonna, a solution of the leaves of the plant called the deadly nightshade, when dropped into the eye will cause a widening of the pupil and a paralysis of the eye's ability to focus, and that this action will persist for several days. We know by many well-checked experiments exactly how this is produced, and it can even be prevented to a certain extent by the simultaneous introduction of other drugs. You will admit, again, that we have possession of many substances, opium, for instance, and its derivatives, morphine, heroin, codeine and dionin, that will stop pain and induce sleep.

If you continue your investigations you can be persuaded, I believe, that there are drugs which raise the blood-pressure, and drugs which lower the blood-pressure. There are drugs which increase the heart-rate. There are drugs which, under pathological conditions, slow the heart-rate. There is a drug, iodide of potash, which will cause the disappearance of large tumors. There are drugs which will diminish or neutralize excessive secretions in the stomach. There are drugs which will increase the digestive juices. There are substances which will replace the secretion of the stomach

*The accompanying article which appeared in the current issue of "The American Mercury" presents such an accurate picture of recent developments in the public esteem for drugs, and relates the history of one classic example in such an interesting and capable manner, that all those engaged in the manufacture of pharmaceutical products should find it of value. Limitation of space is all that prevents our reprinting it in whole in these columns. In his development of the history of digitalis, Dr. Clendening illustrates the manner in which the whole art of using botanical drugs and chemical preparations has been elevated from the status of a mystic secret to that of an exact science. Some of this process has been going on for centuries while some of it is very recent.*

—THE EDITORS.



when it is absent. There are drugs which will induce sweating. There are drugs which will dry the skin. There are drugs which will increase the secretion of the kidneys. There is one substance, hypophysis extract, which will reduce the secretion of the kidneys. I am perhaps a quarter way through the list.

But how was all this variegated, interesting and useful information assembled? It would probably add a great deal to the layman's faith in the value of drugs if he knew the steps. In the case of many drugs, we do not know their full, and especially their early, history. Just when the connection between the relief of pain and the eating of an unripe poppy established itself in a human consciousness somewhere on the Mesopotamian plain, or in the Khyber hills long before the fall of Troy, will never be known. Just when it occurred to an Aztec or Peruvian Indian that the consumption of the bark of a certain tree would stop his chills and the aching of his muscles is equally shrouded. . . .

#### History of Digitalis

There is one drug the entire history of which we happen to know with considerable completeness—foxglove, or digitalis—which is used for what may be designated, temporarily, heart failure. Its early history is recorded in a fascinating old pamphlet published in 1785. The author of that pamphlet was William Withering, M.D., of Birmingham, England. Withering had one of the hardest and soundest minds ever bestowed upon a human being. . . .

In Withering's "Account of the Foxglove" there is the full story of the introduction of this great drug into medicine. The foxglove grows best in the cold, wet Summer climate and soil of England. Withering tells us that he had heard for some time of an old woman in Shropshire who brewed a tea of herbs which was used for dropsy. He felt at first that the reports of its efficacy were exaggerated, and that those who believed in it were credulous. But something happened to bring his mind up standing. The narrative in his monograph is condensed and I shall take the liberty in recounting it to read somewhat between the lines.

It appears that the Dean of Brazenose College, Oxford, fell sick of a dropsy, and called in the best medical consultants he could find. But they did him no good, and so he was pressed, probably by some solicitous and possibly female member of his household, to use a tea brewed by the old herb woman in Shropshire. The dean probably reflected, tossing upon his canopied bed, that he had given the regular medical profession every chance and that he was under no further obligation to continue their administrations. At any rate, he consented to use the old herb woman's remedy, with the gratifying result that his dropsy disappeared. This was the circumstance which "accelerated" Withering's interest. His next step was to obtain the recipe of the tea. . . .

#### Careful Study of Properties

He says that it contained many ingredients, but that, from his knowledge of the others, he concluded that the active one was the root of the foxglove. Then he began to try this out, and he tried also to find out whether the stem, the leaves or the flowers were not more regular and livelier in the desired action than the root—tried them out by using them on patients, if you please. I do not mean to hint that he caused the death of any of these patients. I do not think he did, though he tells us quite frankly of one patient who almost died. He finally decided that the leaves contained most of the active principle—and that fact is fortified today by thousands of independent re-examinations. He then attempted to formulate some rules for determining the

proper dosage of digitalis leaf tea. He advised that the administration be stopped when certain symptoms appeared; one was when the pulse became more regular and slower; one was when nausea and vomiting set in. He made several other investigations, all of which he set down, with a long list of case histories, in the little book published in 1785.

Now, notice the difference between Withering's knowledge and that of the old woman of Shropshire. His contribution represents the second stage in the accumulation of knowledge of any drug. The old herb woman knew that a tea made in a certain way was beneficial in cases of dropsy. She followed slavishly the exact formula originally used; she made no variations, she made no experiments. But Withering did. He found out which herb did the work, he found out what part of that herb was the most active, he found out the rules for its proper administration, he found what kind of cases seemed to respond best. In other words, he rationalized the usage of the drug. But there were still immense holes in his knowledge. He knew almost nothing of the nature of dropsy. He did not suspect at all that the drug acted on the heart. He knew nothing of the minute anatomy of the heart; no one in his time did. There was not a decent compound microscope then in existence; there was consequently no suspicion that animal tissues were composed of cells, each with definite chemical reactions. It was the next twelve decades that supplied the knowledge needed for a complete understanding of digitalis.

#### Recent Additions to Knowledge

During the Nineteenth Century it enjoyed various changes of fashion. At times it was completely neglected. But toward the end of the century it became pretty definitely established as a heart tonic, though the understanding of its action was small. About 1900 an event of first rate importance in its history occurred—another man of genius turned his attention upon it. This was James Mackenzie, a general practitioner in the Midlands of England. Being a general practitioner, he was able to watch patients with heart disease over a period of many years. Mackenzie lived in the same town, often in the same square, with them. He became very much interested in heart disease, and especially in irregularities of the pulse, and he invented a little instrument for the recording of these irregularities. He marked out one in which digitalis acted particularly efficaciously. He did not entirely understand its mechanism—he called it an "absolute irregular pulse,"—but he was able to recognize it by certain signs, and these signs he recorded.

About 1908 Mackenzie decided to remove to London and set up as a specialist in heart disease. And then a fortunate meeting occurred. Arthur Cushny, an astute man who had been working on the action of drugs for many years, was at the University of London. He became interested in Mackenzie's work, and soon produced in dogs, by the electrical stimulation of the auricular part of the heart, a condition of fibrillation which resulted in an irregularity of the pulse exactly like the irregularity Mackenzie described in human beings, and in which digitalis was so especially effective. Cushny invited Mackenzie to his laboratory and showed him the tracings. Mackenzie agreed that the conditions were the same—and the last chapter in the history of our knowledge of digitalis opened.

To understand this we must go back a little and remember the insight that had been acquired by His, a German, by two Englishmen, Keith and Flack, and by a Japanese, Tawara, into the finer anatomy of the heart.

(Continued on page 901)

# What is the Franc Worth

By ROGER O. DERREY,  
of Church & Derrey

*Our markets on essential oils, some fine chemicals and botanicals are very directly affected by the vagaries of French exchange and this original article by a recognized foreign exchange authority strikingly presents the financial and political aspects of this business problem.*

**T**HE DAY to day market for French exchange is entirely political and only reflects the traders' censure of the senseless game of politics indulged in by the Chambre des Deputies. The transactions are small, the fluctuations are meaningless and easily affected by the kaleidoscopic news transmitted from abroad concerning the fate of the much-discussed financial bills of the Administration at the hands of Parliament. The waters are somewhat muddled by the incessant stirrings of the Deputies—but the water will soon clear when the stirring stops.

## Unbalanced Budgets

The financial situation of France is bad but far from hopeless. It dates back to the shortsighted policy of unbalancing the budgets, and borrowing to cover deficits—inadequate taxation and unlimited borrowing, and that of the worst kind; notes and bonds maturing one, three, or five years. The people were promised by the politicians that Germany would pay and subscribed to the short term notes. Of course, Germany did not pay. Soon the Treasury had to pay with newly printed bank-notes the maturing short term notes presented for payment. Naturally the newly printed bank-notes increased the circulation of the Bank of France and brought on more controlled inflation, which in turn lowered the value of the French franc in the international markets. The decline of the franc brought on a fresh rise in the price of commodities, occasioning uneasiness and agitation throughout the country, which caused French individuals, banks, and houses to get out of their francs to buy wholesome currencies or securities payable in stable monies,—in other words, the flight of the franc. The flight of the franc is accompanied by offerings of the speculators for the decline, who raid the markets of the world with tremendous sales of francs, and therefore undermine the public confidence, which loosens up another wave of liquidation of the French public, and the vicious circle continues.

On the other side of the picture, the following facts must not be lost sight of:

## On the Material Side

1. Granting that the French government is poor and the situation of the Treasury bad, the French people are rich, and it is a simple matter, once public opinion is sufficiently aroused, to re-transfer to the State some of the accumulated wealth of the people, whether in the form of increased income tax, indirect levy, capital tax, accompanied by stern and business-like methods to enforce them.

2. The insane policy of borrowing "a outrance" has definitely stopped, thanks to the common sense of the French people and banks, which have shut down on lending their disposable funds to the State.

3. Paying off short term notes with bank notes is

not such bad business after all. It saves the Treasury interest charges and considerably decreases unwieldy indebtedness. We must admit that the "Plafond Uni" policy of Joseph Caillaux was very commendable; pay off all short term notes with bank notes and therefore, save to the State several billion in interest charges.

4. France is well aware that no dollar and sterling credits are available to her until she can put her home in order, i. e., balance her budget and adjust her debts. It is therefore a pretty safe wager that in the very near future some kind of an agreement will be reached by the two branches of the French Legislature to straighten out the financial situation and meet the demands of the International bankers. Also there is no doubt that Mr. Berenger, the new French Ambassador, will be signing a final debt settlement with the United States. The release of these foreign credits will go a long way toward solving France's difficulties. They will definitely stop the flight of the franc and cause again a bear panic among the speculators for the decline; it will also bring heart to weaklings and start a movement of repatriation of French funds.

5. Another item which must not be laid aside for the recovery of the franc, is the heavy expenditure of francs by tourists. This seasonal influence is heavily felt in the Summer, and the banks prepare for it in the Spring. It is estimated that over seven billion francs will be left in France by the tourists.

6. Although the latest figures were not as encouraging, the balance of trade is still in favor of France.

## On the Moral Side

1. Locarno, which does not need any comment.

2. A much more cordial feeling between Germany and France, which augurs well for the Dawes plan.

3. The entry of the United States in the World Court. To conclude, the outlook for French Exchange is distinctly reassuring. The near future should witness a rise in the French franc over the 4c level, where it will eventually be stabilized. The political value of the franc may be 3c or 3½c, but the bears cannot hold them at this level. France holds too much gold. Her people are too wealthy. When the time comes for the bears to cover up, a run-away market will be seen once more, as we had two years ago when J. P. Morgan granted a \$100,000,000 credit to France to protect her exchange. The franc rose from 3.45 to 6.80 in several weeks. It is doubtful though that the French Treasury would allow such a performance again. The intrinsic value of the franc, based on the gold holdings of the Bank of France, its foreign trade and invisible revenue stands somewhere around 4½ to 5c. It is at this level that the release of foreign credit will permit stabilization of the French Treasury.

**METHANOL PRODUCTION UP 50,000 GALS.**

Washington, D. C., March 24—Methanol to the amount of 698,263 gallons was produced in the United States during January, as compared with 648,709 in the same month of last year while shipments in January of this year totaled 661,123 gallons compared with 654,369 in the same month of last year, and stocks on hand at the end of January this year were 1,358,541 gallons as compared with 1,459,231 gallons at the end of January 1925, according to the Department of Commerce. January production of acetate of lime totaled 13,516,733 pounds as compared with 13,080,756 pounds in the same months of last year while shipments in January of this year amounted to 11,073,725 pounds, as compared with 10,248,347 pounds in the same month of last year, while stocks on hand at the end of January of this year totaled 17,178,374 pounds, as compared with 21,232,506 pounds at the same time last year.

The Department's figures also show that methanol production in Canada in January of this year amounted to 45,917 gallons, while shipments were 39,572, and stocks on hand at the end of the month 48,787 gallons. Acetate of lime production in Canada in January of this year amounted to 1,163,593 pounds, shipments 566,369 pounds and stocks on hand at the end of the month 1,296,810 pounds.

**RUSSIAN CHEMICALS GAIN 71%**

Washington, D. C., March 24—Basic chemical industry of the Soviet Union is showing an intensified development this year because of rapidly increasing demands from the textile, paper and glass industries and from agriculture, according to bulletins received by the Russian Information Bureau. For the first quarter of the current Soviet fiscal year, Oct. 1 to Jan. 1, the output of various products was from 53 to 88 per cent, an average of 71 per cent greater than the output for the first quarter of 1924-25.

The figures of production for the quarter are as follows:

Metric Tons	P. c. increase over same period	
	1924-25	
Sodium carbonate .....	184,000	88
Caustic soda .....	55,000	53
Bicarbonate of soda .....	18,000	80
Sulfuric acid .....	125,000	60
Superphosphates .....	66,000	75

The figures for superphosphates are for the Northern Chemical Trust only.

**HEYDEN CORP. GETS DRAWBACKS**

Washington, D. C., Mar. 24—A Treasury decision providing for the payment of drawback on salicylic acid and other products manufactured by the Heyden Chemical Company of America, Inc., has been further extended to provide for the payment of drawback thereunder to the Heyden Chemical Corporation, of Garfield, N. J., successor to the former firm. The decision is also extended to provide for the payment of drawback on hexamethylenetetramine, technical and U. S. P., manufactured by the Heyden Chemical Corporation with the use of imported methanol.

E. W. Conway of Thurston & Bradisch, New York, who was recently called home by the death of his mother, is taking an extended vacation to recover his own health which has not been of the best lately.

Lever Bros.' plant at Port Sunlight, England, sustained considerable damage by fire recently.

**HASHEESH ADDICTION INCREASING**

Hasheesh victims are increasing to an alarming degree in the South, according to Dr. Carleton Simon, former Deputy Police Commissioner of New York, who recently returned from Louisiana. In the course of a month's survey in that state, Dr. Simon said, he had discovered for the first time a direct connection between the use of this drug and prohibition. Thousands of young girls and men in nearly every sizable community of the state, learning of the stimulating and exhilarating effects of this narcotic, have abandoned the more expensive beverages and have taken to smoking hasheesh in blind tigers and dingy speak-easies much as they used to quaff their bootleg liquors.

Dr. Simon said the practice is not confined to Louisiana, but had permeated the entire South and even the West and middle West. He considers the situation particularly menacing, because of the results from continued use of the drug and because there was omitted from the Harrison drug act any restriction against its sale or transportation.

**ROESSLER & HASSLACHER ELECT**

Roessler & Hasslacher Chemical Co. at its annual meeting, held March 2, elected the following directors: Franz Roessler, Wm. A. Hamann, Hector R. Carveth, Philip Schleussner, Albert Frankel, Colby Dill, James M. Gifford, Milton Kutz, and George E. Warren. The following officers were elected at a meeting of the Board of Directors held immediately after the annual meeting of the stockholders: Franz Roessler, chairman of the board; Wm. A. Hamann, president; Hector R. Carveth, first vice-pres.; Philip Schleussner, second vice-pres. and secy.; P. Samuel Rigney, assistant secretary, Albert Frankel, treasurer; and Colby Dill, assistant treasurer.

Orange oil production in the Messina district of Italy located on the Island of Sicily aggregated about 500,000 Sicilian pounds during the season of 1924-25. For the present season, 1925-26, the yield is estimated at 360,000 Sicilian pounds, according to a report from Vice Consul Alexander P. Cruger. Of this amount about 300,000 pounds already have been produced this season. (One British pound equals 1.43 Sicilian pounds). There has been a very slight variation in price.

A meeting of New York essential oil dealers was recently called to consider methods of ridding sales contracts of the price guarantee clause. The consensus of opinion of those present was that the clause was an unmitigated evil and should be abolished. A committee was appointed to consider ways and means of abolishing this practice. Another meeting will be called when the committee has some definite program to present.

The output of Norwegian codliver oil for this year up to Feb. 13 was 1,591 hectoliters as against 3,578 hectoliters in the same period of 1925. The catch for that period was 3,900,000 cod as against 2,400,000 in the year previous. Natural oil aggregated 6,460 hectoliters as compared with 4,586 hectoliters during the same period last year. Owing partly to the stormy weather the catch so far has not been very important.

Licorice root to the amount of 21,142,743 lbs., valued at \$473,943 was exported from Turkey during the first six months of 1925 as compared with 13,441,224 lbs., valued at \$357,715 in the same period of 1924.

Health Products Corp., New York, has changed its name to White Laboratories.

# ITALIAN FERTILIZER IN LARGER DEMAND

Italian fertilizers are showing marked activity. The entire Spring output of calcium cyanamide of the Italian factories and also the quota assigned to the Italian market by foreign manufacturers already have been contracted for. Ammonium sulfate has also increased in price in spite of the gain in consumption over the previous campaign as predicted. Fertilizer consumption estimates for the calendar year of 1925, except in the case of ammonium sulfate, which remained stationary at 40,000 metric tons, show increases as compared with the previous year. Superphosphate consumption increased to 1,450,000 metric tons from 1,222,000 tons; sodium nitrate increased from 46,000 to 47,000; potash salts from 32,000 to 42,000; calcium cyanamide from 60,000 to 70,000, according to E. Humes, office of the Commercial Attache at Rome.

## NEW AUSTRIAN CHEMICAL SYNDICATE

Washington, D. C., March 24—Chemosan-Fritz-Petzold-Union, a syndicate which includes the leading firms of the chemical and pharmaceutical industry and wholesale druggists in Austria, has been formed recently in Vienna, according to a report to the Department of Commerce from A. Welden, at Vienna, Assistant Trade Commissioner. The concern in question is made up of the former Chemosan A. G. and the firm known as the Vereinigte Drogengrosshandlungen A. G. & R. Fritz-Petzold u. Suesse A. G. and the Philipp Roeder-Bruno Raabe A. G. These concern are said to have affiliations also in Czechoslovakia, Germany, and Hungary. It is stated in Austria that the new company will act under the patronage of the same banks which previously supported the foundation companies and the same directors and experts will continue in service. It is hoped by this syndicate to avoid the difficulties previously encountered where each concern was obliged to carry parallel stocks, since these will be united into one large stock and commercial operations will be simplified.

Brooklyn Alcohol Corp., 195 Plymouth St., Brooklyn, N. Y., is being quizzed by the Prohibition Department in proceedings which are said to amount to accusation of dry act violations. This concern has been doing a legitimate business producing 150,000 barrels of grain alcohol for industrial use each month, according to Frank Woodward, former secretary of Senator Wm. F. Calder, who says he was largely responsible for getting them their permit. The proceedings against the firm are based on the seizure of 20 barrels of alcohol which, Prohibition agents claim, was being diverted to the bootleg trade.

Cia. Chimica "Merck" Brazil, has a factory near the city of Palmyra, Minas Geraes, which is operated under the technical direction of E. Merck-Darmstadt factory in Germany. Among the many products manufactured are distillates of wood, acetic acid, sodium acetate, chromium acetate, vegetable tar, methyl alcohol, formaldehyde, muriatic acid and sulfuric acid. They are also large producers of hydrogen peroxide.

Citric acid for industrial use, when imported into Peru in quantities will hereafter be assessed an import duty of 10% ad valorem, under a new law recently established in that country, according to Commercial Attache H. Bentley MacKenzie, Lima.

M. Carter-Barrus & Co. have been awarded a contract by the Bureau of Supplies and Accounts for furnishing the Norfolk Navy Yard with 5,000 gals. of coal-tar at \$895, bids for which were opened on March 16.

# CHEMICAL IMPORTS RISE SHARPLY

Washington, D. C., March 24—Arrivals of certain classes of chemical commodities from European sources to the United States show marked increases during the past few months according to the Chemical Division of the Department of Commerce.

One of the items in this class is copper sulfate, of which during 1924 1,494 short tons were imported against 3,070 tons in 1925, and 350 tons in January 1926. Receipts of acetic anhydride totaled 420 pounds for the entire year 1924, against 50,067 pounds in 1925 and 56,035 pounds entered for January 1926. Shipments of barium carbonate totaled 1,901 tons for 1923; 3,752 tons in 1924; 7,168 tons in 1925; and 1,014 tons for January 1926. Sodium phosphate imports have advanced from 909 short tons in 1924 to 2,250 tons in 1925. During the same period ammonium nitrate rose from 1,874 to 5,175 short tons; propyl alcohol from 66 pounds to 40,927 pounds; and phosphoric acid from 42,201 pounds to 226,481 pounds.

## TO MINE SULFUR AT WHITE ISLAND

Sulfur operations will shortly be resumed at White Island, a small active volcanic island, 35 miles from the mainland of the North Island of New Zealand in the Bay of Plenty. This industry was rendered quiescent in 1914 by an eruption of its natural source, a sulfur mountain, which wiped out both plant and employees.

The total imports of ginseng into China during the year 1924 aggregated 184,093 catties. (A catty is equal to approximately 11-3 lbs.), according to information from the Chinese Maritime Customs Returns. This represents a considerable falling off from the previous years, due to the political unrest which is prevailing in Southern China districts. That section has heretofore been the largest market for ginseng aside from Hong-kong. Exports of ginseng from the United States for the year of 1925 amounted to 138,131 lbs., valued at \$1,668,221.

Aspirin trade mark infringements have been charged against fifteen people in various callings and classes of society, including a pharmacist and a broker recently on trial in Brussels, Belgium. They were accused of placing on the Belgian market a product not manufactured by Bayer & Co. Three, including the pharmacist were found not guilty, one was sentenced to twelve months' imprisonment, 1,500 francs fine and 65,000 francs damages, while the others were condemned to pay damages ranging from 5,000 to 56,000 francs.

Medicinal plants to the value of nearly one-quarter of a million dollars were exported to Great Britain, France, Germany and America from Russia during 1925. Licorice root formed the bulk of these assignments, the other drugs consisting chiefly of anise, coriander, lime flowers, and cantharides. It is hoped to raise the value of these exports to one-half million dollars in 1926.

Walter L. Filmer, manager of the Chicago branch of Monsanto Chemical Works, four times secretary of the Chicago Perfumery, Soap and Extract Association, was elected again to fill this office to complete the term of Walter E. Flummerfelt, who resigned on account of moving to Des Moines, Iowa.

Sandarac gum exports from Casa Blanca to the United States in 1925 totaled 152,767 lbs. as compared with 57,490 lbs. in 1924.



## FERTILIZER COMPANIES DEFEND ACTION

(Special to DRUG & CHEMICAL MARKETS)

Baltimore, March 24—The alleged combination of fertilizer manufacturers effected for the purpose of advancing prices in violation of the Sherman act, and now being made the subject of inquiry by the Department of Justice at Washington, is said to be taking on a nation-wide scope and includes Baltimore in its reach. A high officer in one of the companies mentioned denied that he had received a summons, but the report is said to be true, and further developments are anticipated. The purpose of the Federal authorities to delve into the operation of fertilizer companies appears to have some connection with the report published recently of a movement on foot to effect a combination of manufacturers in one large company, which, by instituting economies and by careful management, is expected to make the business profitable as against heavy losses incurred in recent years, which drove one of the largest of the corporations into bankruptcy and tried the resources of the others severely. The manufacturers, in reply to charges of trust activity and of squeezing the farmer, point to the annual statements issued by the various companies last year as a complete refutation of any allegations of unfair gains, and add that if the industry is to be made of real service to the farmer, it must be allowed to earn reasonable profits.

## INVITE BIDS ON MUSCLE SHOALS

(Special to DRUG & CHEMICAL MARKETS)

Washington, March 24—The joint Congressional Committee on Muscle Shoals yesterday sent the large power users among the chemical manufacturers an invitation to bid on the use of Muscle Shoals. The committee issued this invitation after hearing reports from Major Burns, Ordnance Division, U. S. Army on the value of nitrates in national defense, and from representatives of the American Farm Bureau Federation, and the National Grange.

The natural civet industry of Abyssinia recently suffered a severe blow, when a process was discovered for the manufacture of synthetic civet. Civet, which is obtained from parts of the civet cat, is one of the few products of animal origin used exclusively in the manufacture of perfume. Considerable quantities of civet have been used in the United States for this purpose. During 1925 7,173 ounces were imported, valued at \$15,607. The incursion of the artificial process on the natural industry may be estimated from the fact that the price of civet a year ago was \$20 an ounce, and the highest price offered now is never more than half that amount, and generally about \$4 an ounce, with every indication of becoming cheaper.

Crude camphor and camphor exports from China in 1925 showed a considerable decrease from that of the previous year. Crude camphor dropped from 1,145,326 lbs. in 1924 to 167,977 lbs. in 1925. Camphor oil decreased from 865,700 lbs. in 1924 to 57,848 lbs. in 1925.

Copal gum market at Antwerp, Belgium, was very quiet during January, prices being weak and demand very small. Arrivals of the gum from the Belgian Congo were substantially heavier than the preceding month amounting to 2,977 tons.

Beeswax can be furnished by Angola, according to Consul Francis H. Styles, Loanda. Properly qualified firms and individuals can obtain further information upon application to the Chemical Division.

# WHO'S WHO - in the Chemical Industry

**Glowacki Redfield Parker**, president, Parker, Peebles & Knox, Inc., New York. Born: Batavia, N. Y., June 1, 1882. Mar.: Emily Stewart Bowers Davis, Schenectady, N. Y., June 17, 1911. Educat.: Public school and high school, Batavia, 1890-99; Union College, Schenectady, (B.E.), 1903. Business: General Electric Co., 1903-15; Frazar & Co., 1915-24; (member of firm 1917-24); States Metals Co., (pres and director), 1915-24; Frazar Foreign Trade Bldg. Inc., (secy. and director), 1919-24; Parker, Peebles & Knox, Inc., (pres. and director), 1924 to date. Director, Amer. Exporters' & Importers' Assn., (v. pres., 1923-24); director, Japan Society, 1923 to date; National Councillor, U. S. Chamber of Commerce, 1922 to date. Member: Railroad Club (N. Y.), Garden City Club, Cherry Valley Club (Garden City, N. Y.), Sigma Phi Society, Sigma Xi Society. Hobbies: Golf, tennis, fishing, photography, horticulture.

**Fred W. Payne**, pres., International Exposition Co. and co-mgr., National Exposition Chemical Industries, Grand Central Palace, New York. Born: Seneca Falls, N. Y., Mar. 4, 1878. Mar.: Nelle Louise Frank, Jonesville, Mich., Apr. 20, 1905. Educat.: High School. Business: Madison Square Garden, 1904-09; Coliseum, St. Louis, 1909-12; Int'l Exposition Co., 1912 to date. Member: Chemists' Club; Moolah Temple A. A. O. N. M. S., St. Louis; Canadian Club; Ridgewood Lodge No. 710 F. A. M., Brooklyn; Brooklyn Lodge B. P. O. E. No. 22; Auditorium Managers' Ass'n. Was one of the organizers and managers of the Nat'l Exposition of Chemical Industries. Hobbies: Fishing and golf.

**Junius Bew Peake**, Chicago district sales mgr., Mathieson Alkali Wks., Inc., New York. Born: Norfolk, Va., July 25, 1895. Educat.: Maury High School; Washington and Lee Univ., B. S., 1915. Business: J. W. Sparks & Co., New York, stock brokers, 1915-17; U. S. Air Service 1917-19; Mathieson Alkali Wks., Inc., 1919; Chicago dist. sales mgr. since May 1923. Member: Sigma Nu frat.; Norfolk Country Club; Aero Club; Opera Club. War Service: 1st Lt., U. S. Coast Artillery Corps attached to Air Service as Observer. Hobbies: Music, books and travelling.

**William Crawford Piver**, secy., Riches, Piver & Co., New York. Born: Wilson, N. C., Nov. 10, 1883. Mar.: Elizabeth S. Sparrow, Washington, N. C., June 29, 1910. Educat.: No. Carolina State College, B. S., Industrial Chemistry, 1906. Business: Active in organization of Riches, Piver & Co., est. 1911; member of Board of Directors, director of chemical research, consulting chemical engineer. Invented and marketed the first commercial calcium arsenate and in conjunction with associates, founded and established the calcium arsenate industry. Installed and operated first modern arsenic acid plant in U. S., equipment imported from England. Designed and supervised construction of first modern factory in U. S. for producing agricultural insecticides and fungicides. Member: Phi Kappa Phi Fraternity, N. C. Society of N. Y., N. Y. Chapter, N. C. State College Alumni Assn., Sons of the Amer. Revolution, Local Residential Rotary Club.



# The Industry's Finances

## BROWN CO. ISSUES \$20,000,000 BONDS

Has Earned 3.3 Times Interest Charges for Many Years  
—Amer. Agri. Chem. Co. Reports Good Year—Lambert Sells Stock—Dividends Declared By U. S. Industrial and MacAndrews & Forbes—Forhan Reports Income

FOREIGN EXCHANGE		Par	Current
Great Britain (pound sterling)	.....	\$ 4.866	4.86
France (franc)	.....	.193	.036
Italy (lira)	.....	.193	.042
Belgium (franc)	.....	.198	.040
Czechoslovakia (crown) per hundred	.....	20.30	2.96
Denmark (krone)	.....	.268	.262
Germany (mark)	.....	.238	.238
Holland (florin)	.....	.402	.401
Poland (zloty)	.....	.193	.130
Norway (krone)	.....	.258	.213
Spain (peseta)	.....	.193	.141
Sweden (krone)	.....	.268	.268
Switzerland (franc)	.....	.193	.192
Argentina (peso)	.....	.424	.396
Brazil (milreis)	.....	.324	.144
Japan (yen)	.....	.499	.452
India (rupee)	.....	.485	.364
China (silver dollar, Hongkong)	.....	.789	.565
(Tael—Peking, silver)	.....	1.146	.775
(Tael—Shanghai, silver)	.....	1.986	.729

One of the largest pieces of industrial financing occurring in some time was announced yesterday in an issue of \$20,000,000 first mortgage sinking fund gold bonds, 5½ per cent of the Brown Co., being floated by a syndicate composed of Harris, Forbes & Co., New York, Bond & Goodwin, New York, and Baker, Fentress & Co., Chicago. The bonds are offered at \$97 and interest, yielding 5½ per cent.

The capitalization of the company, after this issue is floated, will consist of the following securities: common stock \$20,000,000 authorized and outstanding; first preferred stock 6 per cent cumulative, \$500,000 authorized, \$234,500 outstanding; second preferred stock 6 per cent cumulative, \$1,500,000 authorized, \$800,000 outstanding; bonded debt is this issue of \$20,000,000 first mortgage 20-year sinking fund gold bonds series A, 5½ per cent due April 1, 1946.

The total net income of the company, before depreciation and depletion, but after Federal taxes, and after dividends on preferred stock has averaged over \$3,692,000 annually or over 3.3 times the annual interest charge. For the year ended Nov. 30, 1925 the net income was \$3,257,000 or over 2.9 times the interest charges.

Virginia-Carolina Chemical Co., the properties of which are being advertised for sale throughout the country, is being prosecuted on a claim for back taxes, alleged to be due the Federal Government and exceeding \$2,000,000, according to the Wall Street News, which states that the claim is pending consideration in the United States District Court of Virginia. It is said the Government claim is in the nature of a lien on the properties of the concern.

Lambert Co.'s offerings of 190,624 shares of common stock have been purchased and subscription books on the offering have been closed.

United States Industrial Alcohol Co. paid the last dividend on the common stock in Sept. 1921, having

adopted the policy of paying no dividend on common stock, but instead putting substantial profits back into the company, which, it is believed, will work to considerable advantage.

Leslie-California Salt Co. is offering 6,000 shares of \$7 cumulative preferred stock without par value, and 6,000 shares of common stock without par value, in blocks of 1 share preferred and 1 share common at 127 per block.

Shares of stock have been sold at auction during the past week as follows: Pratt & Lambert, 5 shares at 57½; American Glue, preferred, 1 share at 112¼; American Glue, common, 50 shares at 43½; Merrimac Chemical Co., 50 shares at 78¾.

MacAndrews & Forbes have declared a quarterly dividend of 65c on the common stock which was recently split four to one. The company also declared a regularly quarterly dividend of 1½% on the preferred stock.

## Securities Quotations

Closing Prices For Week Ending Mar. 20, 1925

	Bid	Asked		Bid	Asked
*Air Reduction	113%	115	Hercules Powder	149	154
*Allied Chem & D	119½	119¾	Hercules Powd. pf	114	116
*Am Ag Ch	23¾	24	Heyden Chem	2¼	
*Am Ag Ch pf	73¾	75	Hooker Electro	20	27
*Am Chile	45	46¾	Hooker Electro, pf	70	72
*Am Chile pr pf	90	92½	*Household Prod	42	42¾
*Am Cyan	190	200	*Int Agricult	17½	18
*Am Cyan pf	88	92	*Int Agricult pf	93	94
*Am Druggists S	61¾	61¾	*Int Nickel	38¾	39¾
*Am Glue	47	50	*Int Nickel pf	35¾	36
*Am Glue pf	106	109	*Int Salt	86	90
*Am Linseed	35	36	Lehn & Fink Prod Co	33¼	33¾
*Am Linseed pf	80	81¾	*Mathieson Alk	77¼	79
*Am Metal	51	52	*Mathieson Alk pf	100	—
*Am Metal pf	115	115	MacAnd & Forbes new	42	44
*Am Zinc	7¾	8	MacAnd & Forbes pf	101½	103
*Am Zinc pf	41	44	Merek & Co	57	59
*Archer Dan Mid	38	39¾	Merrimac	84	86
*Archer Dan Mid pf	101	104½	Mulford Co	30	33
*Atlas Powder	53½	56	*National Lead	152	154
*Atlas Powder pf	93¾	95¾	*National Lead pf	116	117
By Prod Co	46	49	Niag. A., pf	80	85
By Prod Co. pf	102	105	N. J. Zinc	203	208
Calco Chem pf	20	40	Parke, Davis & Co.	114	—
Canad Ind., /1	16¾	—	Penn Salt	71	—
Canad Salt	105	115	*Peoples Gas Chl	121½	122
Caslin Co.	150	160	Procter & Gamble	156	158
Celluloid Co.	18	22	Procter & Gam, pf	156	158¾
Celluloid Co pf	58	62	Royal Big Powd	185	193
*Certain-teed Prod	44	45	Royal Big Powd pf	101½	103
Charcoal Iron	10	20	Shawinigan	170	—
Ches. Mfg. Co.	68¾	69	Sherwin-Will 1st pf	106	110
Ches Mfg. pf	113	—	Silica Gel	20	—
Clark Co., Fred	2½	4	Squibb & Sons	45	—
Cleere Cliff Iron	70	75	Squibb & Sons pf	120	—
*Com Solv A	127	131	*Sterling Prod	78	79
Do B	126	130	Swan & Finch	19½	21
*Corn Products	37¾	38	Swan & Finch pf	20	30
*Corn Products pf	124	126	*Tenn C & Chem	12½	13
*Davison Chem	31¾	32½	*Tex Gulf Sul	130¾	131
*Davison Chem pf	43¾	45¾	Union Carbide	80¾	81¾
Dow Ch., pf	98	102	*Un Drug	141	141½
Dow Drug Co.	140	—	*Un Drug 1st pf	56	57
Dow Drug Co., pf	105	108	*Un Dyewood	10	12
*Du Pont Deb	102	102½	*Un Dyewood pf	—	59¾
*Du Pont de Nem	215	216	Un Gas Imp	128	132½
*Eastman Kodak	108	108½	Un Gas Imp, pf	58¾	—
*Eastman Kodak pf	113	—	U S Gypsum	154	155½
*Freeport Tex	23¼	23¾	*U S Indus Al	52	52½
*Gen Asphalt	66¾	66¾	*U S Indus Al pf	102	103
*Gen Asphalt pf	104	108	Va Car Ch	17½	17¾
*Gold Dust	46¾	47	Va Car Ch 6% w. l.	56¾	57
Grasselli	125	130	Vick Chem	46¾	47¾
Grasselli, pf	101	103	Will & Baumer	18½	—

\*Listed on New York Stock Exchange

\*Listed on New York Stock Exchange

**AMER. AGRI. CHEM. CO.'S BEST YEAR**

American Agricultural Chemical Co. is said to be enjoying one of the best seasons since the war. While it is too early to estimate earnings for 1925-1926, as the best selling season is still going forward, the belief is that it should prove a bigger year than 1924-25, when the net income was \$2,045,814. The company has been reducing its funded debt which totals \$27,723,500 as against \$33,738,000 a year ago.

Asbestos Corp. Ltd., a new organization resulting from the asbestos merger have announced that they will declare an initial quarterly dividend on new preferred stock for the quarter ending June 30 of 1 $\frac{3}{4}$ %, payable July 15 to stock of record July 2. Prices on most fibres have advanced since the merger was arranged. Most of the production is being carried on at the plant of the Asbestos Corp. of Canada, which has a new mill, built last year.

Texas Gulf Sulphur Co. for the first quarter of 1926 will show a substantial increase in earnings over those of the corresponding portion of last year, according to the Wall Street News. It is believed that a comfortable margin of surplus over and above the present quarterly dividend requirements of \$2.50 a share will be reported. The company earned \$2.22 a share the first three months of 1925.

The Noxzema Chemical Co. of Baltimore, which manufactures lotions and other products, has obtained authority from the Maryland Tax Commission to increase its capital stock from \$100,000 to \$500,000. The corporation has greatly extended its operations, and a steady gain in the volume of business requires larger capital.

Ohio Chemical and Manufacturing Company, Cleveland, has purchased a factory building located at the southwest corner of Grand and Twelfth streets, Hoboken, N. J. The building is of brick construction, two stories in height and covers a plot 50 by 100. The consideration was \$15,000.

The People's Drug Stores, Inc., are among the five companies to be listed by the Board of Governors of the New York Curb Exchange. One thousand shares of common stock, no par value of this concern are quoted.

Columbian Carbon Co. and subsidiaries show net profits of \$2,166,290 for the year ending Dec. 31, 1925, after depreciation, depletion, Federal taxes, etc., had been deducted.

Celluloid Co. stockholders are being asked for proxies for the annual meeting to be held March 30 by a committee which criticizes the management of the organization. The February preferred dividend was passed.

Schieffelin & Co. have obtained a judgment against John W. Bissikummer, New York, in the amount of \$235.18.

Sales of Peoples Drug Stores, Inc., for February amounted to \$437,215, compared with \$418,139 in the same month of 1925, an increase of 4.56%.

Baltimore Distilling Co. of Baltimore, Md., have obtained a judgment against Colony Distributing Corp. of New York for \$540.20.

Grasselli Chemical Co. has obtained a judgment against Lam-Cote Paint Mfg. Co. for \$669.70.

The Forhan Co. reports a net income of \$557,789 after deducting taxes and discounts.

**New Incorporations**

W. H. Duval & Co., New York, textiles; 3,000 shares, \$100 each; 3,000 common, no par value; D. D. Farr, G. L. Hubbel, Jr., L. K. Schultz.

General Spun Silk Co., Watervliet, New York; textiles, \$250,000; E. Welch, C. Z. Smith, H. E. Hill.

Western Chemical Co., New York, chemists; \$20,000, F. Weiss, D. C. Taylor, D. W. Nevins.

Neo-Galen Corp., New York; drugs, 500 shares, \$50 each; 1,010 shares of common, no par value; R. F. Talento, L. & J. Carfora.

Solar Laboratories of New York were awarded a judgment against Karoff Drug & Trading Co. for \$184.78 on March 17th.

Joseph Baumel Co., New York, Textiles; \$30,000; J. Baumel, J. Duberman, A. Kaplan.

Ajax Piece Dye Works, New York; \$20,000; A. Cohen, R. Montanaro, E. Caridi.

H. Burges Laboratories, New Jersey; \$75,000 in preferred stock and 1,000 common, no par value; Herbert C. Schmutz, Alexander Heimberger, William J. McHale.

Lafayette Broad Silk Co., Paterson, New Jersey; manufacturers \$125,000; George Suroski, Herman H. Moskowitz, Betty I. Rawson.

Carlyle Laboratories, New York; cosmetics, \$20,000; C. F. Carlyle, L. Jenkins, E. Cohn.

Norma Chemical Co., Wilmington, Delaware; manufacture and sale of drugs and medicines; \$150,000.

West African Pharmaceutical & Chemical Trading Corp., Wilmington, Delaware; \$100,000.

Dermolay Laboratories, New York, cosmetics, \$10,000; F. T. McIntyre, S. Gloushokoff, L. N. Field.

Manwaring & Wood, New York, chemicals, \$20,000; W. O. Manwaring, S. A. Wood, W. H. Harris.

Eden Perfumery Co., New York, \$10,000; F. Macaluso, S. Costello, M. Cirringione.

Newco Cotton Co., Boston; cotton and cotton products, 1,000 shares no par value, Hal B. Willis, Jerome L. Windmuller, Adolf Leve.

Avon Textile Corp., New York, 100 shares, \$100 each; 100 common, no par; N. Messinger, D. J. Brown, A. Levy.

Tanners as a rule are failing to make adequate returns on their investment as evidenced by recent reports of the National Leather Co. and the American Hide & Leather Co., according to the "Wall Street Journal." This is particularly true of the National Leather Co., formerly a subsidiary of Swift & Co., which has a turnover of \$26,000,000 in each of the past three years which resulted in a profit of \$16,160 in 1925 and losses of \$92,843 in 1924 and \$3,867,442 in 1923.

Canada Salt Co., Ltd., in its annual report for the year ending Dec. 31, 1925, shows profits of \$346,411, equal to 13.73% on outstanding capital stock. This is about 15% increase over the profits of the previous year. Extensive additions have been made to the plant, buildings and equipment of the company during the past year.

The report of St. Joseph Lead Co., and subsidiaries for 1925 shows a profit of \$9,573,146 after depreciation, depletion, Federal taxes, &c. After deducting \$146,773, the proportion of profit applicable to minority interests, net income was \$9,426,373, equal to \$4.83 on the \$19,503,373 stock. This compares with \$7,559,345, or \$4.87, on \$15,494,126 stock in 1924.

Pittsburgh Plate Glass Company's net earnings for 1925 amounted to \$12,122,811 after depreciation, depletion, Federal taxes etc., had been deducted. This is equivalent to \$24.64 a share on the outstanding stock.

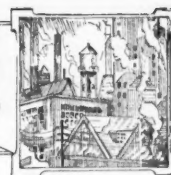
The Wayne Powder Co. of the du Pont Powder Co., has been sold to the Broadway Construction Co. for \$308,750.

Armour Leather Co., which has not yet reported for 1925, made a profit of \$50,010 in 1924 and a loss of \$1,278,248 in 1923.



# Industrial Chemical

## SECTION



## Government Reports on Foreign Monopolies

**House Committee on Interstate and Foreign Commerce Investigates Sources of Supply of Potash and Nitrates—Recommends Development of Potash Resources in United States to Combat French and German Monopoly—Urges Quick Settlement of Muscle Shoals Question as That is Disturbing Element in American Nitrogen Fixation Industry—Suggest No Remedial Legislation**

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., March 20—Representative Newton of Minnesota recently reported to the House conclusions of the Committee on Interstate and Foreign Commerce in connection with the investigation which it recently carried on dealing with the monopoly in raw materials. The committee found, as the result of its hearings that the government of Chile controls the production or exportation of nitrates and iodine, and the governments of Germany and France control potash. It was found by the committee that 100 per cent of the world's natural nitrates are produced in Chile and that the United States consumes nearly half, and in some years almost 75 per cent of the entire world's production of nitrates and iodine.

Under the head of specific findings, the committee says the world's production for the year 1924 was estimated at 1,200,000 tons of pure potash ( $K_2O$ ). France and Germany, operating as a monopolistic unit, control the potash business of the world, and produced approximately 1,107,000 tons of pure potash, the domestic consumption in France and Germany amounting to approximately 60% of the output, or 664,000 tons. A monopoly has existed in potash for the past 35 or 40 years, since potash was discovered in Germany and its value as a fertilizer was first determined. All operators in Germany are obliged to join the Syndicate and all matters of policy and details of German control are vested in the Minister of Economy. Attempts were made by American purchasers in 1910 to break the monopoly and contracts were actually entered into at prices 35% under the prevailing Syndicate prices but the German Government, through legislative procedure, nullified these contracts.

With the cession of Alsace to France following the War, and the development of Alsatian potash deposits, extreme rivalry for the American market ensued with a rapid lowering of prices until August, 1924, when the Franco-German Potash Agreement was entered into. That Agreement allocated French and German participation in the American market and eliminated all price competition. In May, 1925, a new Franco-Prussian potash accord was entered into and the Minister of Economy has just announced that this Agreement, which was about to expire, would be extended for three years.

Chile nitrate is a natural monopoly, there being no other known geologic occurrence of a similar character. Very little nitrate is used in Chile, the total production in 1925 being 2,672,000 metric tons, of which the United States took close to 50%, in round figures valued at \$50,000,000.

The government export tax is a flat charge equivalent to \$12.34 per metric ton. This approximates 20 per cent of the sale price and amounted to \$11,000,000 paid by this country in 1924. The following quotation is taken from Part I of the "Nitrogen Survey," of the Department of Commerce, dated January 7, 1924, and is practically true today:

"The present price of \$48 f. o. b. American seaboard could, by abandonment of taxes, (upon which the Chilean Government is dependent), by improved methods, and by the narrowest margin of profits, be reduced to about \$35 a ton. This is not given as a probability, but the ultimate base figure which our fixed nitrates must meet before the Chilean industry will cease to function."

Usually agriculture alone is considered with regard to Chile nitrate but the actual disposition of our imported nitrates, is as follows: Fertilizer 48%, explosives 34%, chemical 14%, miscellaneous 4%.

In its conclusions and recommendations the committee admits that "the problem of remedies is indeed most difficult." It "considers that opportunity exists for the development of the potash resources of the United States," and believes that support should be given to the Bureau of Mines or the Geological Survey for the exploitation of potash deposits in Texas, Utah and possibly other states. "It is recommended that Congress bring to an early settlement the Muscle Shoals question. Such action will give protection to the American consumer of nitrate, both because Muscle Shoals is now an unknown and deterring factor to our growing nitrogen industry and because undoubtedly that plant itself will be used for nitrogen production." In conclusion the committee says that they have received suggestions that Congress give direct aid to development by American citizens of alternate supplies of these raw materials but they take the position that aid or subsidy of this sort is inadvisable, because it is an intrusion of government into production, against the principle of which this investigation is directed. Suggestions made to the Committee that it secure passage of a law permitting combination of American purchasers to buy co-operatively are not approved at this time. Such action is not urgently demanded by the trades concerned. The Committee has not suggested remedial legislation, since it believes that a frank discussion of these questions and the development of a better understanding of the consequences of the intrusion of governmental price controls in international trade may secure an abandonment of the practices. If, however, it develops that the American public cannot be protected against a repetition of its experiences, the Committee will have no hesitation in reopening the question.

Badische Company may establish several chemical plants in this country, it is reported from Washington, in connection with the establishment in this country of plants by foreign firms. No official information of any kind is available, however.

# The Heavy Chemical Market

Chemical Current Spot Quotations for Heavy Chemicals, see pages 870-888

## FORMIC ACID QUOTATIONS NOMINAL

Imported Material Very Scarce on Spot and Domestic Maker Offers April 1 Shipment—Foreign Market Easy—Mineral Acid Prices Unchanged—Barium Chloride Strong—Ammonia and Derivatives Firm—Chlorine Steady—Methyl Acetone Down—Ethyl-Methyl-Ketone Nominal—Chlorates, Bichromates and Prussiates Firm

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

#### Advanced

#### No Advances

#### Declined

Methyl Acetone, 5c gal.

#### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial lb.	\$1.11½	\$1.11½	\$1.11½	\$1.11	\$1.19½	\$0.97
Sulfuric Acid, 66° ton	14.00	14.00	14.00	14.00	55.00	20.00
Amm Sulfate, 100 lbs.	2.90	2.90	2.95	2.75	7.50	2.65
Bleaching Pdr, 100 lbs.	2.00	2.00	2.00	1.90	9.50	1.50
Copper, Sul c-1 100 lbs.	4.37½	4.37½	4.30	4.65	200.00	4.60
Potash, Caustic, Imp., lb.	.07½	.07½	.07½	.07½	.87	.08
Soda Ash, 58 p.c. 100 lbs.	1.94	1.94	1.94	1.94	3.50	.60
Caustic Soda, 76 p.c. 100 lbs.	3.68	3.68	3.68	3.68	9.50	1.42
Potassium Bichromate lb.	.08½	.08½	.08½	.08½	4.65	.06½
Sodium Prussiate .. lb.	.10	.10	.10	.10	1.25	.18
Average .....	2.915	2.915	2.913	2.927	10.79	2.99

Demand for industrial chemicals is of excellent volume and prices are very firm on practically the entire list. Barium chloride is firm at last week's advance and is tending higher. Iron-free aluminum sulfate is steady, but domestic makers are anticipating an increase in duty and expect the situation to strengthen when this occurs. Copper sulfate is moving at firm prices in all instances. Caustic soda is being withdrawn in large volume against contracts and the situation is steady with prices firm. Chlorine and its derivatives show no variation. Ammonia makers are very firm in their schedules which are unchanged, and all derivatives are quoted at firm unchanged prices. Mineral acids are quoted at unchanged schedules and no advance in sulfuric acid prices has occurred, although considerable indications of such a step are in evidence. Formic acid prices are nominal due to an absolute scarcity on spot of imported material of both grades, and also due to the fact that the domestic maker has nothing to offer before April 1. The foreign market is easy and prices there have not advanced.

**Acid Acetic**—Quiet but firm and moving in good volume.

**Acid Formic**—Imported material is unobtainable on spot and prices for both grades are nominal. Domestic maker has nothing to offer for immediate delivery and offers April 1 delivery at 10½c lb for 85%, and 11c lb for 90%. Foreign market is easy and prices for shipment are unchanged.

**Acid Lactic**—Quotations are unchanged on all grades and the market is firm under a good demand.

**Acids Mineral**—Rumors of a pending advance in sulfuric acid prices continue to be heard, but nothing definite has been announced. The schedules on muriatic and nitric acids are very firm on this account. Demand for all grades is excellent.

**Acid Oxalic**—Imported material is very firm at recent advance to 11½c lb for casks. Domestic prices are unchanged at 10½c@11c lb for barrels at works.

**Ammonia Anhydrous**—Makers quote firm unchanged prices of 13c@15c lb for cylinders and report a steady demand.

**Ammonia Aqua**—Offerings of 26° material continue to be made at 3¼c@4c lb for carboys. Tanks are moving at 2½c@3c lb.

**Ammonium Chloride**—Imported and domestic prices show no change and movement is of large volume.

**Arsenic**—Sales of cases were made during the week at 3¼c@3½c lb. Market is firm due to increasing seasonal demand.

**Barium Chloride**—Market is strong at last week's advance and further advances appear likely. Imported material is scarce on spot and shipment prices are above present spot prices. Domestic makers quote \$63.00 ton for carlots of bags at works, and \$65.00 ton for carlots of barrels. Ton lots of barrels delivered in Metropolitan district are offered at \$67.00@69.00 ton.

**Barium Carbonate**—Quiet but firm with quotations showing no change.

**Calcium Acetate**—Steady at \$3.25 100 lbs.

**Calcium Chloride**—In good seasonal demand at recently advanced prices for both domestic and imported products.

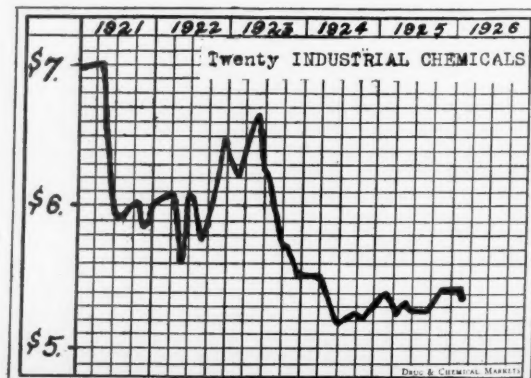
**Carbon Tetrachloride**—Makers quote unchanged prices of 6¼c lb delivered for carlots, and 6½c@7c lb for less carlots.

**Chlorine**—In excellent demand, but supplies are sufficient to cover almost any requirements. Prices are firm and unchanged.

**Copperas**—Market for sugar remains weak at \$8.00@9.00 ton for bulk.

**Ethyl-Methyl-Ketone**—Quotations from makers are nominal due to very restricted output. This product is a by-product of the production of acetone from acetate of lime, and practically all the acetone consumed is being produced by the fermentation process.

**Epsom Salts**—Imported and domestic quotations are firm and unchanged in all directions.





**Glauber's Salts**—Imported and domestic quotations are moving in a steady fashion at recent prices.

**Methyl Acetone**—Increased stocks have caused makers to reduce quotations to 68c gal. in tank cars at works, and 73c@76c gal. in drums.

**Nickel Salts**—Single and double salts are unchanged as to price.

**Potash Caustic**—Importers and domestic maker quote firm unchanged prices of 7½c lb for carlots and report a good demand.

**Potassium Carbonate**—Offerings of 80-85% calcined and hydrated are made at recent decline. Other grades are quoted unchanged.

**Potassium Bichromate**—Makers name firm unchanged prices.

**Potassium Chlorate**—Good demand reported by importers and domestic maker at firm unchanged prices.

**Potassium Cyanide**—Supplies are plentiful but demand is steady and prices are firm and unchanged.

**Potassium Oxalate**—In steady demand at 16c@17c lb.

**Potassium Perchlorate**—Quiet but firm at 10½c@12c lb, as to seller.

**Potassium Prussiate**—Imported and domestic prices are firm and unchanged.

**Soda Ash**—Makers report good demand and quote firm unchanged prices.

**Soda Caustic**—Contract and spot market show no change and prices are subject to no more than usual quantity shading.

**Sodium Bichromate**—Good demand and steady unchanged prices reported.

**Sodium Bisulfite**—Offerings are quoted at unchanged prices.

**Sodium Carbonate**—Quotations fairly steady at recent figures.

**Sodium Chlorate**—Domestic maker names 5¾c@6c lb at works, and importers name 6¼c@6½c lb.

**Sodium Cyanide**—Domestic and importing factors quote firm unchanged prices and report an excellent demand.

**Sodium Fluoride**—Imported and domestic products are quoted at firm unchanged prices of 8¾c@10c lb as to quantity and quality.

**Sodium Nitrite**—Market firm and unchanged at recent advance to 8½c@9c lb.

**Sodium Prussiate**—Heavy demand reported from dry-color makers at firm unchanged prices of 10c@10½c lb at works.

**Sodium Sulfide**—Domestic prices are firm and unchanged. Imports at Philadelphia last week totaled 1,200 drums.

**Trisodium Phosphate**—In excellent demand at unchanged prices of \$3.90 100 lbs. for carlots of domestic material at works. Imports for 1925 were double those for 1924.

Two sodium fluoride factories are to be erected in Russia, one in the Ural district, and the other in trans-Baikalia. Work is to be started on the one in the Ural district immediately, and the plant will have a capacity of 180,000 poods per annum, at a production cost of 6.12 roubles per pood.

J. D. Rohrer, formerly chief chemist at the Newell, Pa., plant of the General Chemical Co., has been appointed supervisor and research chemist of the United States Asbestos Co. at Manheim, Pa.

## OXALIC ACID WEAKENS IN HAMBURG

**Potassium Chlorate in Good Demand—Epsom Salts and Prussiates Weak—Bismuth, Bromides and Potassium Permanganate Lower—Opium Derivatives Steady—Condition Uncertain With Export Demand Greater Than Home Trade**

(Special Radiogram to DRUG & CHEMICAL MARKETS)

Hamburg, Germany, March 24—Market for chemicals and medicinals is calm and not influenced by developments at Geneva. Potassium chlorate and calcined potassium carbonate are in good demand. Weakness has developed in oxalic acid, yellow prussiate of soda, and yellow prussiate of potash. Bromides and bismuth have declined. Potassium permanganate is also lower. Opium derivatives are unchanged.

Hamburg, Germany, March 15 (By Mail)—The uncertain conditions of the German market are unfavorable to a development; business in export is somewhat better than the home trade. Prices are almost unchanged.

**Bromides:** There was a rather good demand, especially for sodium bromide and it seems that prices above \$72 per 100 kilos f. o. b. Hamburg have been paid.

Calcium chloride 70-75% is still in demand and prices have reached levels of £3 16s 10d per 1,000 kilos f. o. b. Hamburg. Stocks in second hands are evidently not available.

**Pharmaceuticals:** It is expected that prices for opium alkaloids will go lower as the tendency is still downward.

**Saltcake:** The factories will not make offers at present and speculators gambling in this line do not know how to offer their stocks.

**Formic acid:** There are offers from second hands pressing on our market; they are about 8% lower than prices of the Syndicate.

**Sal ammoniac** is quiet. Only small business is done at about \$8.55.

**Oxalic acid** remains also quiet; there are no buyers at the high prices quoted by the works, since second hand is still offering at £23 10s per 1,000 kilos.

**Tartaric acid:** Almost no business even at the asking price of \$47.60 per 100 kilos, which seems to be only nominal.

**Chlorate of potash** has become weaker; asking price is about \$13.40 with no business materializing.

**Potash permanganate** is slackening; price is £44 9s 6d per 1,000 kilos f. o. b. Hamburg.

**Lithopone** is quiet. Quotation for Red Seal is \$8 per 100 kilos.

Union Carbide & Carbon Co. directors were all re-elected at the annual meeting, held recently. It was voted to change the date of the annual meeting to the third Tuesday in April in order to allow more time for preparing annual reports.

Carbonate of lead restrictions proposed at the International Labor Conference held at Geneva in 1921 are incorporated in a law recently signed in France, according to Commercial Attache Jones at Paris.

P. M. Dinkins, sales manager of the Kalbfleisch Corp., New York, was married to Miss Virginia Wilson, of Riverside Drive, New York, on March 18. The ceremony was performed at the home of the bride.

The Mathieson Alkali Works, Inc., have put out a very attractive advertising blotter bearing a further statement of Mathieson Ammonia Facts.

Willard H. Dow has been appointed assistant general manager of the Dow Chemical Co., Midland, Michigan.



# The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemical pages 870-888

## SEVERAL INTERMEDIATES UNSTEADY

Competition Forces Shading on Gamma Acid, H Acid, Ethylbenzylaniline and Para-Nitroaniline—Remainder of List in Good Condition—Demand of Fair Volume—Light Oils Firm—Benzene Tending Upward—Xylene and Solvent Naphtha Scarce—Toluene Steadier—Pyridine Dull—Naphthalene, Phenol and Cresylic Acid Quiet But Firm

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced			No Declines			Declined			No Advances		
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure .....	\$2.23	\$2.23	\$2.23	\$2.24	\$1.10	\$2.25						
Naphthalene flake ..	.0534	.054	.054	.05	.16	.03						
Phenol Spot .....	.22	.22	.22	.24	1.50	.08						
Toluene .....	.35	.35	.35	.26	—	—						
Aniline Oil .....	.16	.16	.16	.16	1.40	.104						
Alpha-naphthylamine ..	.35	.35	.35	.35	1.28	—						
Benzaldehyde .....	.70	.70	.70	.70	—	—						
Betanaphthol .....	.24	.24	.24	.24	1.50	.08						
Dimethylaniline .....	.30	.30	.31	.33	1.30	—						
Paranitroaniline .....	.48	.48	.48	.60	1.68	.18						
Average .....	0.309	0.309	0.310	0.317	—	—						

Coke oven light oils are all in steady positions. Benzene displays a strong upward appearance and an advance is likely within the next month. Xylene and solvent naphtha are scarce and nominal quotations are unchanged. The toluene market is steadier in tone, after being somewhat uncertain for the past few weeks. Naphthalene, cresylic acid, and phenol are moving slowly at unchanged prices, and the markets are heavy. Pyridine buying is at a standstill, but prices are nominally unchanged and holders of spot supplies are firm.

Markets on several intermediates are soft, although open quotations are unchanged. Competition is sharp on products that are not as yet down to a selling price based on cost, and products in which cost economies have not yet been reflected in selling prices. Demand is good, and the products that move in the greatest bulk are very firm as to prices.

### Crudes

**Benzene**—Consuming demand is good, and production forecasts for April are expected to show a decline as March is generally the month of peak production. Prices are firm and unchanged, but an advance appears likely within a month. Tank cars are quoted at mills at 23c gal. for pure, and 90% at 24c gal.

**Cresylic Acid**—Movement is fair and prices are firm on all grades.

**Naphthalene**—Refined material prices are firm but demand is very slight. Flake is offered at 534c@614c lb, for less carlots, and balls at 634c@714c lb.

**Phenol**—Makers firm and unchanged in prices, but demand is of slight routine character.

**Pyridine**—Buying at absolute standstill. Low-priced sellers unloaded their holdings during the week as low as \$3.70 gal., but it is not thought that this price could

be duplicated. Holders of spot goods are firm at a nominal price of \$4.00 gal., and shipment is quoted at \$3.80@3.90 gal.

**Solvent Naphtha**—Supplies are limited and nominal quotations are firm and unchanged.

**Toluene**—Market is in a steadier condition, and, although offerings are plentiful for prompt shipment, all production is finding an outlet at firm unchanged prices, and no weakness is expected to develop.

**Xylene**—All grades in heavy demand at nominally unchanged prices.

### Intermediates

**Acid Gamma**—Market remains unsettled due to price shading by one or more makers. Open quotations are \$1.30@1.36 lb as to quantity.

**Acid H**—Competition is sharp and shading appears likely on fair sized orders. Demand is slight.

**Acid Monosulfonic**—Demand moderate. Prices firm and unchanged at \$1.65 lb for single barrels.

**Acid N & W**—Quiet and unchanged in price.

**Alpha-Naphthol**—In quiet routine demand at unchanged prices.

**Alpha-Naphthylamine**—Quotations unchanged, and demand slight.

**Aniline Oil**—Steady movement on contracts. Quotations firm and unchanged.

**Benzidine**—Competition is sharp, but open quotations are unchanged.

**Beta-Naphthol**—Firm in price at 24c lb for barrels. Demand of good volume.

**Dimethylaniline**—Market firm in all directions at 30c lb for carlots.

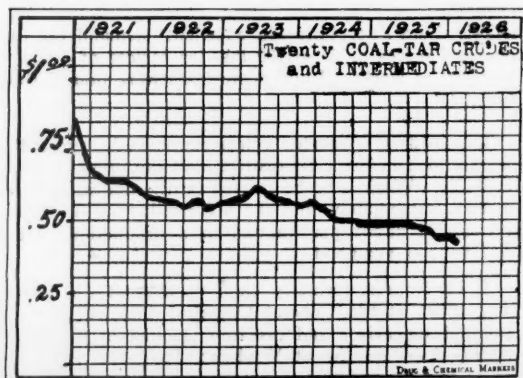
**Dinitrobenzene**—Firm at unchanged prices of 15c@16c lb.

**Dinitrotoluene**—Quiet at unchanged prices.

**Diphenylamine**—Maker names unchanged prices of 48c@50c lb.

**Ethylbenzylaniline**—Market remains unsettled and open quotations of \$1.05@1.11 lb are not being received in many instances.

**Meta-Nitroaniline**—Steady at unchanged prices of 73c@77c lb.



**Monochlorbenzene**—Makers name unchanged prices of 7c lb for less carlots.,

**Orthonitrochlorbenzene**—Shows no change in price at 32c lb.

**Ortho-Nitrotoluene**—Quotations are firm and unchanged. Demand slight.

**Ortho-Toluidine**—Movement is of good volume at firm unchanged prices of 25c@27c lb for less carlots.

**Para-Nitroaniline**—Market again unsettled and lower prices are reported to have been quoted in some instances. Leading makers continue to name 48c lb for single barrels of lake-makers' grade, but 46c lb is understood to have been done. Demand is excellent.

**Para-Nitrotoluene**—Quotations are firm and unchanged from makers at 30c@33c lb.

**Para-Toluidine**—Makers quote firm unchanged prices of 50c lb. Stocks are large and demand slight.

**R-Salt**—Demand from lake-makers is of good volume at firm prices of 48c lb for single barrels.

**Sodium-Naphthionate**—Demand is fair but competition is sharp, and prices of 55c@59c lb are not being adhered to by some makers.

**Sodium Picramate**—Market firm at recent advance to 69c lb.

**Tolidine**—Quiet but firm at unchanged prices.

**Toluidines**—Mixed toluidines are unsettled at 38c@40c lb.

#### G. H. MARKELL DEAD OF PNEUMONIA

George H. Markell, vice-president and general manager of the Hercules Powder Company of Wilmington, Del., died of pneumonia at the Johns Hopkins Hospital in Baltimore on March 14 after a short illness in his forty-second year. Mr. Markell lived in Hollyoak, a suburb of Wilmington, with his wife. He was born in Baltimore, and attended the schools of that city. At the age of eighteen he became connected with the du Pont Powder Company, remaining with that corporation until its dissolution, when he was elected a director and secretary-treasurer of the Hercules Company. In 1919 he was made vice-president and general manager. He is survived besides the widow by a sister and two brothers.

Benzol to the amount of 3,800,564 lbs., valued at \$137,227 was exported from the United States during January, while in the same month 2,449 barrels of crude coal-tar were exported at a value of \$9,724, according to the Department of Commerce. January exports of coal-tar pitch totaled 712 barrels, valued at \$4,206, while other crude distillates amounted to 1,890,362 lbs., valued at \$39,060.

A dye plant has been added to the Cherry Cotton Mills, one of the leading industries of the Muscle Shoals district, in order that a higher grade of yarn can be produced. The company will continue to produce the natural color yarns, but in addition will introduce colored and higher priced material.

Dyes are in greater demand in Venezuela, according to a bulletin issued by the Bureau of Foreign and Domestic Commerce, Dept. of Commerce. There is no domestic production.

Salesmen's Association of the Dye and Chemical Industry, Providence, R. I., will hold their next meeting at the Palestine Shrine Club, on April 9.

C. S. Edwards, sales manager of the benzol department of Barrett Co., spent the past five days golfing at Pinehurst, N. C.

#### ARTIFICIAL SILK BOOM IN JAPAN

Suzuki Shoten, leading manufacturers of artificial silk in Japan, have purchased about 60 acres of land at Iwakunim in Sawo Province, where it expects to produce 1,500,000 lbs. of artificial silk a year, according to an article published in Japanese Silk, Kobe, Japan. Machida-Tokunosuke, a subsidiary of the Asabi Raw Silk Co., is preparing to establish an artificial silk factory with a capital of 5,000,000 yen in Tokyo. The Dai Nippon Spinning Co. also has decided to establish an artificial silk mill with a capital of 15,000,000 yen, as a permanent feature of its activities. This company is one of the leaders in the spinning industry in Japan. These developments are significant in view of the fact that Japan is the premier silk producing country of the world. It is thought, however, that artificial silk will not encroach on the market of raw silk but rather the two markets will progress side by side.

#### I. G. REPRESENTATIVE TO VISIT U. S.

Washington, D. C., March 24—Mr. Bucher, head of the I. G., the German Dye Trust, is to visit the United States again within the next few months. There has been considerable speculation as to whether his visit has anything to do with the possible establishment in the United States of chemical plants by the German dye interests. While no official information is obtainable in Washington at the present time, there have been persistent rumors here that the German dye industry intends to establish plants in the United States at the earliest possible moment.

Dyestuffs department of E. I. du Pont de Nemours & Co. announce the addition of Sulfanthrene Violet B Double Paste to their line of dyestuffs. This color, which has never been offered by a domestic manufacturer, is comparable in general fastness with the Pensol colors and the best of the Sulfanthrene colors in fastness to light, and can be dyed on cotton in any form and in circulating machines. It can be used for producing not only shades from full purples to delicate lilacs, but also as a shading color for the other Sulfanthrene dyestuffs. It is said to be a good printing color, being grit-free, working easily and printing without difficulty. The best results can be obtained with a soda ash-Sulfoxite C Paste. It will also be offered in the form of a double powder.

Du Pont Viscoloid Company, Inc., will open new sales rooms and offices at 330 Fifth Avenue, New York City, on March 22. The Pyralin and Pyralin Sheeting Divisions, formerly located at 21 East 40th Street, and the Pacific Novelty Division, formerly located at 41 East 11th Street, will be located in the new offices.

Pearless Color Co. has issued a pamphlet describing a new dyestuff of their manufacture, Direct Brilliant Coral 2GN. It is alike in every respect with Erika 2GN and is said to produce shades of coral pink on cotton, rayon, silk, wool and paper.

Republic Iron & Steel Co. of Youngstown, Ohio, has ordered the by-products plant of the Koppers Co. to erect ovens with a capacity of 1,100 tons of coal a day.

Muhlheim vorm. Lechhardt & Co., Muhlheim a. Main, the German dyestuffs plant, has been closed. Operations have been transferred to the plant of Leopold Cassella, owners of the Muhlheim plant.

Newport Chemical Co., announces two new sulfur blues; Newport Sulphur Blue DGN and NRH which they are now offering for sale.

# The Oil Market

Current Spot Quotations for Oils, Greases, page 889

## CHINAWOOD OIL BREAKS 1/4c POUND

Lack of Buying and Unwillingness of Consumers to Take Contract Commitments Causes Liquidation—Corn Oil Up Sharply Following Strength in Cottonseed Oil Which Remains Strong—Linseed Oil Recedes—Lard Oil Down—Olive Oil Lower—Perilla Oil Shaded—Red Oil Lower—Menhaden Oil Off

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Corn Oil, Crude, 1c lb.		Lard Oil, Edible, 1/4c lb.	
Chinawood Oil, 1/4c lb.		Lard Oil, Off Prime, 1/4c lb.	
Linseed Oil, 0.2c lb.		Lard Oil, Extra, 1/4c lb.	
Menhaden Oil, Refined, 1c gal.		Lard Oil, Extra No. 1, 1/4c lb.	
Olive Oil, Denatured, 2c gal.		Lard Oil, No. 1, 1/4c lb.	
Perilla oil, 1/4c lb.		Lard Oil, No. 2, 1/4c lb.	
Red Oil, 1/4c lb.			

### Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N Y .... gal.	\$ .68	\$ .68	\$ .68	\$ .62	\$ 1.20	\$ .26 1/2
Degma American, bbl. D.	.04 1/2	.04 1/2	.04 1/2	.04 1/2	.23	.03 1/2
Lard No. 1 .... gal.	.89	.91	.93	.91	2.90	.92
Menhaden, crd., tks gal.	.55	.55	.55	.55	1.20	.33
Neatsfoot 20° c t gal.	1.59 1/2	1.56	1.59 1/2	1.24 1/2	8.45	.95
Red Oil distilled .... lb.	.10 1/2	.10 1/2	.10 1/2	.12 1/2	.17	.07
Stearic, Acid, T P .... lb.	.16 1/2	.16 1/2	.17 1/2	.17 1/2	.33	.12
Coconut, Ceylon tks lb.	.10 1/2	.10 1/2	.10 1/2	.10 1/2	.30	.14
Cottonseed, crude, tks lb.	.11	.11	.10 1/2	.09 1/2	.25	.08
Linseed, crude .... gal.	.80 1/2	.81 1/2	.84 1/2	1.00	1.85	.57
Olive, denatured .... gal.	1.15	1.20	1.20	1.22	4.50	1.05
Peanut, refined .... lb.	.15	.15	.15	.15	.30	.08
Soya Bean bbls .... lb.	.12 1/2	.12 1/2	.13	.13	.19 1/2	.07
Average .....	5.00	5.02	4.90	0.497	5.92	1.56

The positions of vegetable oils are just about steady. Several items have softened as to prices, and some others have strengthened, but there is no definite trend noticeable and the situation appears very sensitive. A fair buying movement will doubtless bring great strength, and a continuation of inactivity will cause many holders to liquidate. Linseed oil receded from its recovery of last week and other paint and varnish oils are weak in sympathy. Consumers of chinawood oil have not only ceased buying, but they are not taking their commitments on resting contracts. Cottonseed oil is the outstanding strong item of the market, and factors are anticipating still further advances within the next two weeks, claiming that 95% of the crude oil has been sold.

Animal oils and fats are none too steady, and prices on several of them have declined. Demand is of greatly reduced proportions and makers are unwilling to hold stocks, and are naming prices that will move them.

Fish oils are quite steady and demand is of moderate volume. A slight concession in prices of menhaden oil has been made, due to a lessening of demand.

### Vegetable Oils

**Castor Oil**—Market firm and unchanged in price. Demand is light.

**Chinawood Oil**—Market is lower due to lessened demand, and also owing to the fact that consumers are not taking their contract commitments. Tanks at Pacific Coast are quoted at 10c lb spot, 10 1/2c lb for April-May, and 10 1/2c lb for June forwards. Barrels are quoted at 11 1/4c@12c lb, and tanks at New York at 11c@11 1/4c lb.

**Coconut Oil**—Market is quiet and prices are soft. Ceylon is slightly lower and tanks are offered at 10 1/2c@10 1/4c lb and barrels at 11 1/4c@11 1/2c lb. Cochin is unchanged at 11c lb for tanks at New York, and 12c@12 1/4c for barrels. Manila is easy at 10 1/4c lb for tanks at New York, and 10 1/2c@11c lb at Pacific Coast, and 11 1/8c@11 1/4c lb for barrels at New York.

**Corn Oil**—Market is sharply higher following the advances in cottonseed oil prices. Tanks of crude are quoted at mills at 11c@11 1/4c lb, and barrels at 13c lb.

**Cottonseed Oil**—Crude oil remains strong at 11c@11 1/4c lb as to location. Prime summer yellow oil is strong at 12 1/2c lb for spot, and futures are firm at following opening prices for the week: March 12 1/2c lb bid, 13c asked; April 12.45c bid, 13c asked; May 12.26c bid, 12.3c asked; June 12 1/4c bid, 12 1/2c asked; July 12.3c bid, 12.32c asked; August 12.34c bid, 12.4c asked; Sept. 12.31c bid, 12.33c asked; Oct. 11.55c bid, 11.63c asked. Some factors are of the opinion that prices will rise above 13c lb before another 10 days have passed, claiming that 95% of the crude oil is sold into strong hands following the heavy consumption report.

**Linseed Oil**—Market continues in an unsettled state with main factors expecting a sharp recovery at an early date. Carlots on spot and for February-March shipment are lower at 10.7c lb; April-May at 10.8c lb; and June-July at 10.8c lb. Seed markets opened this week at following prices: Winnipeg May \$1.97; July \$1.99 1/2; Oct. \$1.97 1/4; Duluth March \$2.26 1/2 asked; May \$2.28; July \$2.29 1/2; Minneapolis May \$2.31; July \$2.33 1/2; Buenos Aires May \$1.54 1/4. London quotes oil at 30s 3d; and Antwerp at 34 1/2.

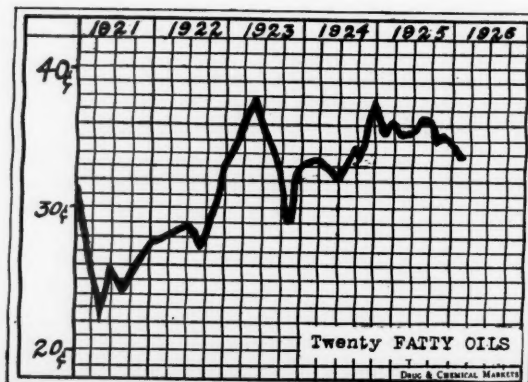
**Olive Oil**—Market is easier and open quotations are lower at \$1.18@\$1.20 gal. for denatured oil.

**Olive Oil Foots**—Market is quiet but prices are fairly steady. Greek foots are quoted at 8 3/4c@9c lb on spot. Italian foots are quoted to the importer at 9 1/4c lb.

**Palm Oil**—Quotations are unchanged in all directions, but demand is slight and the situation is decidedly easy.

**Palm Kernel Oil**—Demand slight and supplies heavy, but liquidation has not set in to a noticeable degree.

**Perilla Oil**—Importers quote lower prices of 14c@14 1/4c lb in barrels. Lessened demand caused by the cessation of buying among paint makers is responsible for the decline.





**Sesame Oil**—Quotations are about steady at recent figures.

**Rapeseed Oil**—Market is firm and prices are unchanged at 90c@92c gal. for Japanese oil, and 94c@95c gal. for English oil.

**Soya Bean Oil**—Buying is slight but quotations are firm and unchanged at 11¼c lb for tanks at Pacific Coast; 12¾c@13c lb at New York; and 13¾c lb for barrels at New York.

#### Animal Oils

**Greases**—Market is quiet but prices show no variation.

**Lard Oil**—Edible is lower at 17¼c lb. Other grades have also declined to following prices: Off prime 14c lb; extra 13½c lb; extra No. 1 13c lb; No. 1 12¾c lb; No. 2 12½c lb.

**Neatsfoot Oil**—Makers have advanced quotations on 20° c. t. to 22¾c lb, and the same price is named for C. P. Pure is lower at 16¾c lb; extra is down to 13c lb; and No. 1 has been shaded to 12¾c lb.

**Oleo Oil**—Market fairly steady and open quotations from makers show no variation on any grade.

**Red Oil**—Makers have reduced prices ¼c lb and quote distilled and saponified as follows: tanks 9¾c lb; carlots of barrels 10c lb; less carlots 10½c@11c lb.

**Stearic Acid**—Domestic prices remain unchanged at 14¼c lb for carlots of double pressed, and 14½c@14¾c lb for less carlots. Triple pressed is offered at 16¼c lb for carlots, and 16½c@16¾c lb for less carlots.

**Tallow**—Market for city extra remains virtually unchanged at recent prices.

#### Fish Oils

**Cod Oil**—Quotations are fairly steady at unchanged figures of 60c@63c gal. for tanks, and 68c@70c gal. for barrels.

**Menhaden Oil**—Open quotations are slightly lower at following figures: Light pressed 70c@72c gal.; yellow bleached 73c@75c gal.; and extra bleached 75c@77c gal.

**Sperm Oil**—Movement is of fair volume at firm unchanged prices.

**Whale Oil**—Market quiet but firm at unchanged quotations.

#### COTTONSEED OIL OUTPUT UP SHARPLY

Cottonseed oil crushed from Aug. 1, 1925 to Feb. 28, 1926 totaled 4,462,224 tons, against 3,756,993 tons for the same period of the previous year. Cottonseed on hand at mills totaled 744,296 tons, against 598,021 tons a year ago. Cottonseed products manufactured during the period, and stocks on hand Feb. 28, compared with a year ago were: Crude oil produced, 283,200,195 lbs., against 1,130,925,963 lbs.; on hand 121,606,479 lbs., against 127,422,874; refined oil produced 1,000,507,205 lbs., against 903,651,709 lbs.; on hand 261,166,483 lbs., against 349,357,107 lbs.; cake and meal produced 2,074,697 tons, against 1,720,374 tons; on hand 357,416 tons, against 211,173 tons; linters produced 2,074,697 bales of 500 lbs., against 722,708 bales; on hand 208,479 bales, against 165,739 bales. Exports of cottonseed products totaled as follows: Crude oil 27,814,176 lbs., against 16,398,795; refined oil 18,572,829 lbs., against 20,035,745 lbs.; cake and meal 291,646 tons, against 358,718 tons; linters 59,569 bales, against 97,742 bales.

Chinawood oil exports from Hankow to the United States amounted to 5,040,000 lbs. for January 1926, as compared with 6,925,000 lbs. in January, 1925. United States imports of Chinawood oil for January, 1926, were reported as 9,079,825 kilos.

#### PHILIPPINE COPRA PRICE UP

The Philippine copra market for the week ended February 25 remained unsatisfactory, according to cable from Trade Commissioner O. M. Butler, Manila, reported in Commerce Reports. Production of copra continued low on account of delayed ripening of nuts, but inquiries increased as a result of improved American demand. Because of the scarcity of output most of the Manila oil mills have closed down. Of the two which are open one is operating sporadically. The trend in copra prices is upward, the present equivalent of resecado (dried copra) delivered at Manila being 15.5 pesos per picul of 139 pounds. (1 peso=\$0.50).

The week's abaca (hemp) market registered a sharp decline as a result of light demand from New York and London, and increased production in the islands. Trading has been moderate only and prices have fallen steadily. Grade F is now quoted at 38 pesos per picul; I, 36 pesos; JUS, 29; JUK, 20; and L, 16.

In line with the recently expressed policy of the Government favoring the cultivation of rubber in the islands, on small plantations, plans are almost completed for the distribution of 30,000,000 rubber seeds.

By a new contract between the Philippine National Bank and the bank-controlled sugar centrals, the Philippine Sugar Centrals Agency has been abolished, and a board of three trustees created to administer loans to the centrals.

Cotton ginned from the 1925 crop as given in the final report of Department of Agriculture, totaled 16,085,905 bales of 500 lbs. each, against the estimated total forecast last December of 15,603,000 bales, and against 13,639,399 bales for 1924, and 10,170,694 bales for 1923. This year's crop is the second largest crop on record, and was only 49,000 bales below the record crop of 1914. Outstanding gains were made in Alabama with an increase of 400,000 bales; Arkansas increased over 500,000 bales; Mississippi advanced 860,000 bales; and Louisiana 400,000 bales.

Olive growing in the Rio Grande Valley promises to become a new industry in that section and it is expected that within the next few years many small orchards will be established in south central Texas. The small groves already planted are reported as proving profitable.

Regal Oil Refinery of Toronto is starting work immediately on a million dollar plant at Tilsonburg, Ont. Two units of the plant will be completed by August next, when operations will begin, and another two units will be built within the following 12 months.

Oil Mill Machinery Manufacturers & Supply Association will hold their annual meeting early in June in Galveston, Texas, at which meeting exhibits of cottonseed oil machinery will be held according to arrangements now being made.

Progress Paint Mfg. Co. of Louisville, Ky., has acquired the services of J. E. Kane, formerly with the Peaslee-Gaulbert Co. Mr. Kane will be general sales manager in his new association.

The Interstate Cottonseed Crushers' Association will hold their annual meeting in New Orleans May 12, 13 and 14. The Rules Committee will hold a meeting just before the convention.

J. M. Huber Co., manufacturer of dry colors, have submitted a report for the year ending Dec. 31, 1925, showing total assets of \$1,608,687.

# Miscellaneous Raw Materials

Heavy Chemicals 870-888, Tan and Dyestuff 870-888, Fatty Oils, 879

## SPOT ANTIMONY IN BETTER DEMAND

Good Volume of Sales Reported Last Week—Shipment Positions Unchanged—Better Movement in Dye and Tan Woods—Fertilizers Quiet—Tankage Easier—Albumens Unchanged But Steady—Accelerators Quiet—Turpentine Firmer Spot and Primary—Whole Market Has Been Colorless This Week

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Rosin H, I, 25c per 280 lbs.	Valonia, Mixture, \$1.00 per ton.
Declined	
Ammonium Sulfate, 5c per 100 lbs.	Rosin D, 20c per 280 lbs.
Copper, elect, 12½c per 100 lbs.	Rosin E, 25c per 280 lbs.
Divi Divi \$2.00 per ton	Tankage, ground, 10c per unit
Myrobalans, J2 \$1.00 per ton	Tankage, So. Am. 30c per unit
Rosin, B, 75c per 280 lbs.	Valonia, Beards, \$2.00 per ton

Standing out in an otherwise featureless week in this market was the firmness in the spot position of antimony. Several sales of good volume were reported last week and prices are somewhat firmer. The shipment situation is relatively unchanged. Leading makers of accelerators are of the opinion that a better inquiry may be looked for shortly. The fertilizer market is quiet and a shade weaker. Tankage is down both for imported arrivals and domestic, while sulfate of ammonia and nitrate of soda are none too strong. Importers of egg albumen are anticipating a livelier demand in the form of contracts for the Spring output of China, and inquiry is now on the upward trend. Turpentine is

firmer on spot although no price advances are recorded. The receipts continue small at New York. Dye and tan woods activity was revived somewhat this week with several fair sized parcels sold for shipment at the prevailing market figures. Starches and dextrins are quiet and unchanged. Insecticide manufacturers state that contracts are being placed in a manner satisfactory to them, but calcium arsenate continues a negligible factor in this market.

## ACCELERATORS

**Aldehyde Ammonia**—Market unchanged with makers naming 80c@82c lb as the current price.

**Diorthotolyl-Guanidine**—Quiet and unchanged at the previous level of \$1.05@1.08 lb.

**Diphenyl-Guanidine**—Moving in a routine manner at unchanged figures of 85c@88c lb.

**Ethylidene-Aniline**—Makers state that business is quiet with orders being taken on the basis of 60c@65c lb.

**Hexamethylene**—Routine interest displayed and the market is unchanged at 80c@82½c lb.

**Triphenyl-Guanidine**—Offerings are heard at 70c@75c lb with little interest.

**Thiocarbanilid**—Market quiet with a fair demand evidenced at 24c@26c lb.

## ALBUMENS

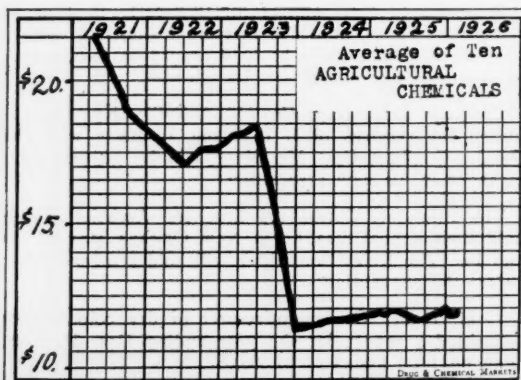
**Blood**—No change in the reported firm position this week. Holders here continue to quote 55c@60c lb for available material.

**Egg**—The market is well maintained at \$1.05@1.08

## Agricultural Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66° ..ton	\$14.00	\$14.00	\$14.00	\$14.00	\$55.00	\$20.00
Am. Sulfate, ....100lbs	2.95	2.95	2.95	2.95	1.75	2.85
Arsenic .....,100lbs	3.25	3.50	3.50	5.00	18.00	4.00
Copper Sulfate .....,100lbs	4.37½	4.30	4.45	4.70	20.00	4.95
Paris Green .....,19	.19	.19	.19	.21	.50	.11
Potash Muriate, 90% ton	34.90	34.90	34.90	34.55		
Potash Sulfate, 90% ton	45.85	45.85	45.85	45.85	440.00	48.07
Phosphate, Acid 16% ton	10.00	10.00	10.00	10.00	11.00	3.00
Phosphate Rock, 68%....	3.25	3.25	3.25	2.71	11.00	3.00
Sodium Nitrate 100 lbs...	2.71	2.71	2.71	2.65	5.00	1.90

Average ..... 11.890 11.890 11.889 11.745 103.50 13.84

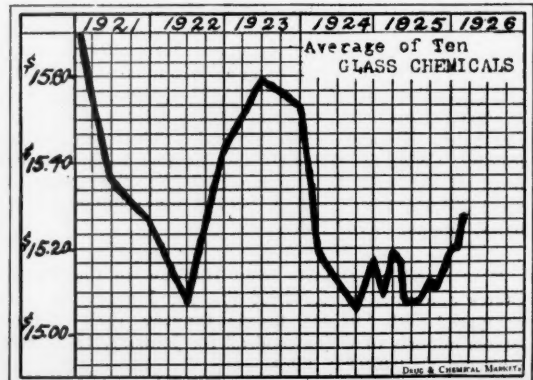


INDUSTRIAL CHEMICAL SECTION

## Glass Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Arsenic .....100 lbs.	3.25	3.25	3.50	5.00	18.00	4.00
Fluorspar 96% c i f ton	33.50	33.50	33.50	34.00	60.00	28.00
Limestone ground ..ton	4.50	4.50	4.50	4.50	8.50	4.00
Litharge .....100 lbs	11.50	11.50	11.50	12.50	17.00	9.00
Salt Cake .....ton	19.00	19.00	19.00	18.00	40.00	15.00
Silica, crude .....ton	6.00	6.00	6.00	10.00	20.00	8.00
Soda Ash Dense ..100lb.	1.45	1.45	1.45	1.45	4.10	.69
Sod'm Silicofluoride 100lbs	4.25	4.25	4.25	4.25	10.00	3.50
Sod'm Sulfate, anhy 100lbs	3.00	3.00	3.00	3.00	10.00	3.50
Tin Oxide .....100lbs	66.00	66.00	66.00	59.00	100.00	60.00

Average ..... 15.250 15.250 15.120 15.245 28.56 18.07





per lb on spot for edible. Interest for futures, which should be at its best shortly, is said to be increasing, and primary prices are about on a par with spot. Technical is unchanged.

**Vegetable**—Is in good demand at the recent advance to 60c@65c lb. Technical is quoted at 50c@55c lb.

### DYE AND TAN WOODS

**Cutch**—Some interest is reported in dyers' cutch at 17c@18c lb.

**Divi Divi**—Recent cables quote reduced figures of \$40.00@42.00 ton. Sales are reported at this figure, with more activity noticed.

**Mangrove**—Is named at \$42.00@44.00 for shipment with only routine interest displayed.

**Myrobalans**—Are a shade easier but in good demand at; \$41.00@42.00 for J1; \$30.00@35.00 for J2 as to position and \$29.50 for R2.

**Valonia**—Dealers state that sales have been made this week on the basis of \$53.00@55.00 for beards. Quotations are heard of \$40.00 for mixtures, and \$35.00 for cups.

**Sumac**—Routine interest at the quoted figures of \$95.00@100.00 ton.

**Wattle**—There have been sales on the basis of \$40.00@42.00 ton for shipment. The market has shown some activity this week.

### FERTILIZERS

**Nitrate of Soda**—The local market has been quiet this week. Small sales continue to buyers of limited quantities here and in the South. Some reports of price shading by resellers have not affected the market and the prices are unchanged. The anticipated heavy demand from the large Southern buyers is still absent. The cold weather which has prevailed in consuming territories is probably a contributing cause to the lack of large buying.

**Blood**—Has been quiet this week and spot prices are the same as previously quoted. Chicago blood is named

at \$3.75 per unit and South American shipment prices are on the same level.

**Bone Meal**—Continues to be in a good position with the demand fair at a price of \$31.00 for South American.

**Tankage**—Dealers state that the market is weaker this week with business being done in a small way at \$4.25 and 10c per unit. South American to arrive is also easier at \$3.70 and 10c per unit, with routine interest.

**Fish Scrap**—Continues in a firm position owing to small stocks at Baltimore, and dealers name \$5.00 and 10c per unit, that point.

**Sulfate of Ammonia**—Is somewhat easier with dealers naming \$2.90 delivered locally. Southern deliveries are being made at \$2.95 with lower figures also reported. The f. a. s. price is named at \$2.75 per 100 lbs. There appears to be a good supply of stocks in all quarters.

### METALS

Considerable activity was noted in the spot antimony market this past week with spot quotations ranging as high as 20c per lb. Shipment parcels are offered at 16½c lb for Feb.-March shipment and 15c lb for March-April shipment, both c. i. f. New York. Several hundred tons are said to have passed hands this week. Lake copper is quoted at 14¼c lb and electrolytic at 14½c lb. Silver is a shade higher at 66c per oz. Straits tin is unchanged and steady at 65¼c lb. New York lead is the same at 8.20c lb and somewhat higher at 8c East St. Louis. Zinc is quoted at 7.80c New York and 7.45c East St. Louis.

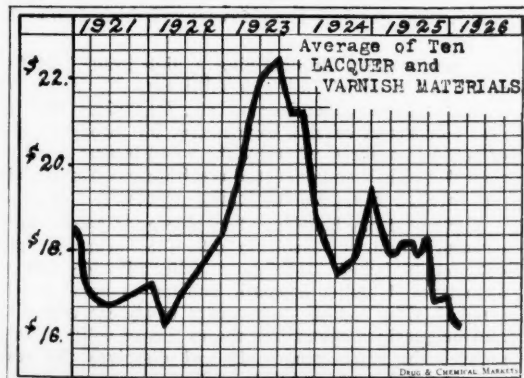
### NAVAL STORES

The New York turpentine market, which was a bit easier during the week, rallied Monday and closed on the same basis as last quoted. At these quotations of \$1.01@1.05 gal. consumers displayed an ordinary interest and were not disposed to anticipate their needs to any extent. Spot offerings were light and the position is potentially strong.

Consumers of rosin seem to be adopting the same attitude as the turpentine buyers. Locally, the market

## Lacquers and Varnishes

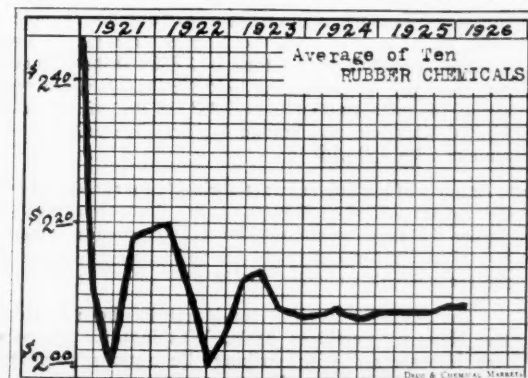
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetone c-l drs wks 10lb	\$1.20	\$1.20	\$1.20	\$1.00	\$5.50	\$1.05
Butyl Al. dr wks. ....	1.90	1.90	1.95	2.70		
Chinoid Oil bbls NY10lb	1.18	1.23	1.28	1.48	2.00	.68
Copal Congo, Amber 10lb.	1.00	1.00	1.00	1.00	1.90	1.80
Fusel Oil .....gal	1.25	1.40	1.40	2.60	4.00	2.50
Benz 90% tks wks 10 gal	2.40	2.40	2.40	2.10	3.00	2.50
Linseed Oil, c-l bbls gal	.80½	.81½	.84½	1.17	1.88	.53
Rosin F grade Y 28lb..	1.38	1.40	1.40	.83	1.70	.43
Soluble Cotton ....10lb	4.00	4.00	4.00	4.00		
Turp c-l ex-dock ....gal	1.01	1.04½	1.04½	.92½	.70	.49
Average .....	1.592	1.635	1.640	1.720		



INDUSTRIAL CHEMICAL SECTION

## Rubber Chemicals

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony Sulph. crom ..	.27	.27	.27	.39	.45	.35
Carbon Bisulfide .....	.06	.06	.06	.06	.50	.10
Carbon Black cases NY	.13	.13	.13	.09½	.30	.14
China clay, Imp .....	16.00	16.00	16.00	16.00	20.00	14.00
Hexamethylene .....	.82½	.82½	.82½	.82½	1.35	
Iron Oxide, Span .....	.03	.03	.03	.03	.04½	.05
Lithopone .....	.06½	.06½	.06½	.06½	.08	.04
Sulfur .....	3.05	3.05	3.05	3.00	6.50	2.75
Whiting, Dom .....	14.00	14.00	14.00	14.00	30.00	11.00
Zinc Oxide, Amer .....	.08½	.08½	.08½	.08½	.09½	.09
Average .....	3.462	3.462	3.461	3.455	5.937	



was fairly active but there was no great buying interest. However, to offset this, the receipts from Savannah were very small and the offerings meagre. Current spot quotations are: B, \$10.75; D, \$11.55; E, \$12.00; F, \$14.00; G, \$14.00; H, \$14.25; I, \$14.25; K, \$15.50; M, \$15.60; N, \$16.30; MG, \$16.50; WW, \$16.70.

Savannah, Ga., March 22—The local turpentine market closed the week firm at 94½¢ gal. with sales of 10 bbls. today. The demand has been better and the daily offerings have been taken quickly at the quoted price. The shipments last week exceeded the receipts as a result of which Savannah stocks have been reduced by some 1,400 bbls. The time is approaching when the future demand will exceed the offers, and it will not be surprising to see an advance early in April. The sale of Summer futures has been small of necessity as a limited amount is offered for sale. The latest figure heard is 82¢ Savannah. Turpentine receipts this week were 265 bbls.; sales reported 301 bbls.; shipments 1,622 bbls. and stocks 5,751 bbls.

The rosin market has been firm this week with a good demand except in the case of the common grades which were posted "nothing doing." The daily offerings have been taken by one concern who were the only bidders. However, it is stated that small sales are being made and not reported. The situation as a whole has shown no change this week, with most dealers filling their orders from stocks on hand in preparation for handling the new crop more freely. Receipts were 1,143 bbls. Sales 747 bbls.; shipments 7,714 bbls. and Savannah stocks reduced to 33,622 bbls.

Jacksonville, Fla., Mar. 22—Both the turpentine and rosin markets closed firm. Turpentine is quoted at 94¾¢ gal. with sales of 46 bbls. reported to one buyer. The lower grades of rosin were quiet with sales of the medium and high grades at 236 bbls. made to one buyer. Turpentine stocks are 21,304 bbls. and rosin stocks 80,641 bbls.

#### STARCHES AND DEXTRINS

Local factors state that there have been no changes in the quoted figures of starches and dextrins. Parcels are moving in a routine manner on the basis of contracts placed, with the market in a generally quiet state throughout. Current prices are: Powdered starch, carload, \$3.32 100 lbs. Pearl starch, carload, \$3.22 per 100 lbs. Potato starch, domestic, 4¾¢@5¢ lb; imported 5¼¢@5½¢ lb. White corn dextrin, carload, \$3.97 per 100 lbs. Canary dextrin, carload, \$4.02 per 100 lbs. British gum is named at \$4.27 per 100 lbs. in carload quantities. Imported tapioca is quoted at 3½¢@5¼¢ lb. as to grade and position.

Refined sugar exports from the United States for the month of January aggregated 14,678,072 lbs., valued at \$488,595. Uruguay was the largest exporter of sugar during the month with a total of 3,862,400 lbs. Norway was next with shipments of 3,716,848 lbs. Glucose (corn syrup) exports amounted to 9,232,118 lbs. of which the United Kingdom was among the first five greatest consumers with 4,214,167 lbs.

Exports of logwood extract during January totalled 101,854 pounds valued at \$13,560. Other dye extract exported during the same month totalled 112,665 pounds valued at \$10,487 and exports of crude dye and tanning materials for the same month amounted to 158 tons valued at \$2,506.

"The Fertilizer Review" for March has been issued by the National Fertilizer Ass'n, Washington. Its pages are interspersed with striking illustrations comparing results of fertilized and untreated tracts.

#### INDUSTRIAL CHEMICAL SECTION

### Science and Sales

Sulfur chloride, dissolved in gasoline and admixed with linseed oil, is used for treating the surfaces of wood, metal and concrete, according to U. S. Patent No. 1,575,521.

The efficiency of the catalyst that is used in sulfuric acid manufacture is increased by a considerable reduction in the quantity of the catalyst. British Patent No. 245,903.

Activated carbon for medicinal purposes is prepared from vegetable matters, by carbonizing the vegetable matter and passing certain gases, such as hydrogen, producer gas and steam through the material.

Sulphuric acid may be employed in the place of thiocyanic acid in the production of crepe effects on delaines in accordance with a note published in Bulletin Societe Industrielle Muhlhouse, volume 91, pages 615-6.

Magnesia cement is made from magnesium chloride which is admixed with magnesium oxide in the correct proportions, the mixture then being heated to a temperature of 250 degrees C. German Patent No. 421,987.

Caustic alkalies, alkaline earth hydroxides, such as magnesium hydroxide, are added to the bleaching liquor to improve the action of the bleach on cellulose fibers. French Patent No. 595,208.

Synthetic indigo is made commercially by a process which consists in treating aniline with formaldehyde and sodium bisulfite, the product then being treated with sodium cyanide to form phenylglycine nitrile, and then fused with alkali. Chim. et Ind., volume 14, 852.

Fabrics are impregnated with gelatine which is then rendered insoluble by treatment successively with a solution of turkey red oil and formaldehyde, and thereafter drying. Bulletin Societe Industrielle Muhlhouse, volume 91, pages 611-2.

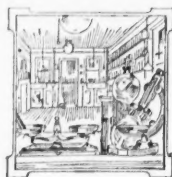
A method of utilizing the copper in burnt pyrites consists in passing through the same mixtures of sulfur dioxide and air. This is the subject of an article contained in the Russian Journal of Chemical Industry, 1925, pages 21-3.

Stable emulsions of oils in aqueous mediums are made by halogenating the oil to such an extent that it is made to attain the same specific weight as that of the aqueous medium. The oil and water are then mixed. Swiss Patent No. 11,990.

Pure aluminum is made with the aid of sulfuric acid of 1.3 density, the solution obtained being filtered and concentrated. Iron is removed by reduction to the metallic state and heating in a current of chlorine or dry hydrochloric acid gas free from oxygen. British Patent No. 243,183.

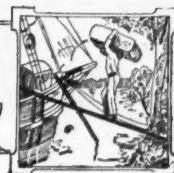
A new process for obtaining a high grade fuel from wood is described in Papierfabrikant, 23, Verein der Zellst. u. Papier Chemiker u. Ing., 771, 1925. This process consists in passing oxygen-free air through a mass of wood in a shaft, whereby the wood is first dried and then degasified, and then the resulting wood charcoal is put through a special hardening process.

Nitric acid has been found to give good results in the desulfurization of petroleum oils, the organic sulfur compounds being oxidized to sulfur dioxide and the asphalts and higher aromatic substances being precipitated as nitro bodies. Subsequent treatment with alkali and magnesium neutralizes the excess of sulfur dioxide, reduces the nitro-compounds and dissolves the resin. Quim. s. ind., volume 2, page 95.



# Drug & Fine Chemical

## SECTION



## Java Produced More Citronella in 1925

**High Prices Prevailing at Close of 1924 Cause Increased Planting and Larger Distilling Facilities—Shipment Positions for 1926 Considerably Below 1925—Export Figures Show Steady Increase from 477,758 Kilos in 1923 to 826,947 Kilos in 1925—Overproduction Feared—Some Complaints Received as to Low Geraniol Content**

(Special to DRUG & CHEMICAL MARKETS)

Buitenzorg, Feb. 25—The high prices for citronella oil which prevailed from the close of the 1924 season until the opening of the 1925 season, with quotations above fl. 7 per kilo (drum included), during November 1924 followed by a decrease during December of the same year, have resulted in a considerable extension of the cultivated area and the number of distilleries as well, so that notwithstanding the increased exports from Java, as shown by the table below, it appears as if overproduction might be possible. In January 1925, prices declined considerably, receding from fl. 6.40 to fl. 5, and continued to follow a downward curve until November, when shortage of material, caused by excessive drought, produced a radical advance. The year closed, however, with declining prices and a nominal quotation of fl. 3.50 for delivery January-December 1926. As a matter of fact, those merchants, who had effected considerable forward sales during 1924 for delivery during 1925, at prices between fl. 4 and fl. 5 and yet higher, were able to cover at considerably lower rates during the past year.

Numerous complaints were received from abroad with regard to the small percentage of geraniol, of which substance a minimum of 85 per cent is generally required. Efforts are being made for the sake of the favorable reputation of Java citronella oil, as compared to the Ceylon product, to bring the oil up so that it will comply with this requirement, and to augment the percentage for all citronella oils up to the said figure.

According to the preliminary custom house statistics, the quantities of citronella oil exported from Java for the twelve months, ended December 31 1925, totalled 826,947 kilos, this figure being nearly 300,000 kilos above that for the preceding year, and nearly 350,000 kilos more than the quantity shipped in 1923. The following table shows the principal destinations of the quantities shipped during the last three years:

Destinations	Unit: Kilos		
	1923	1924	1925
Holland .....	7,977	10,174	26,936
Holland for transshipment .....	18,064	25,567	29,170
Great Britain .....	125,643	116,259	97,390
Great Britain f. t. ....	—	7,028	1,260
Germany .....	9,669	5,665	19,318
France .....	57,904	114,616	201,738
France f. t. ....	26,935	80,417	108,833
Spain .....	—	—	743
Italy .....	—	267	2,161
Egypt .....	—	—	300
United States .....	165,153	116,277	266,450

Destinations	Unit: Kilos		
	1923	1924	1925
British South Africa .....	—	—	1,027
Singapore .....	180	—	988
China .....	9,250	9,553	12,345
Japan .....	41,390	35,348	45,867
Philippine Islands .....	—	—	1,017
Australia .....	14,962	11,212	11,268
All other destinations....	631	1,966	136
Total .....	477,758	534,349	826,947

### FINE CHEMICAL DEMAND BRISKER

(Special to DRUG & CHEMICAL MARKETS)

Philadelphia, March 22—Although the fine chemical market got away with a very poor start the first of this year, it has been showing considerable advancement in the past thirty days. Most lines are now equal to or have surpassed the amount of sales of this date last year.

The seasonable chemicals, such as ammonium chloride, citrates, salicylates and bromides have been moving very heavily due to the apparent epidemic of colds and gripe.

The advance in the price of the finer alkaloids, such as hydrastine, emetine, eserine, etc., brought considerable activity. There was a decided decline in the prices of the bismuth salts, but this has not materially stimulated the local demand. Codeine salts are in extraordinary demand and appear to be a trifle short in the market.

Bakst Bros., wholesale druggists, New York, suffered a heavy loss when fire broke out in the top floor of their building just after closing time on the evening of March 18. The loss has not been ascertained, but the value of the property and stocks was covered by insurance. Their friends among other wholesale drug houses are temporarily taking care of their orders until they can find a new place to resume business operations.

Department of Health of New York City in a recently issued bulletin is responsible for the statement that diphtheria, which is characterized as a preventable disease, still causes 700 deaths each year in New York City.

Mallinckrodt Chemical Works, Phila., Pa., have put on a new salesman, N. B. Maury, Lansdowne, Pa. Mr. Maury will spend practically all of his time in the industrial field of Philadelphia and vicinity.

Brazil has imposed increased taxes on several commodities not heretofore taxed, including pharmaceutical preparations and an increase on the consumption tax on toilet preparations.

E. A. Johnson of the Monsanto Chemical Works, St. Louis, spent a few days visiting the New York office last week.

# The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, see Chemical pages 870-888

## MENTHOL DECLINE CHECKED

Factors Quote Higher Prices for Spot Goods, Stating Shipment Positions Do Not Warrant Recent Prices—Buying Has Been Active—Camphor Continues Firm at Recent Advance—Quicksilver Firmer—Codliver Oil Lower—Market Generally Active—Mercurials in Good Demand

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced		Declined		War Peak	Pre-War
	Today	Last Week	Last Month	Last Year		
Glycerin, Crude $\frac{3}{4}$ c lb.						
					Menthol, 20c lb.	
Codliver Oil, 50c bbl.						
					Glycerin, dynamite $\frac{3}{4}$ c lb.	
					Menthol, syn., 25c lb.	
<b>Trend of the Market</b>						
Acetanilid .....	\$3.35	\$3.35	\$3.35	\$3.35	\$2.00	\$2.20
Acid Citric Import ....	.44 $\frac{1}{4}$	.44 $\frac{1}{4}$	.44 $\frac{1}{2}$	.46	1.25	.45
Caffeine, Alkaloid ....	3.75	3.75	3.75	3.75	13.00	3.65
Calomel, American ....	1.45	1.45	1.45	1.37	3.43	.90
Camphor, Jap ref ....	.80	.80	.73	.77 $\frac{1}{2}$	3.55	.41
Iodine, Resublimed ....	4.65	4.65	4.65	4.65	5.00	3.75
Menthol .....	5.70	5.50	5.75	11.75	13.50	3.00
Potassium Bromide, Cryst.	.48	.48	.48	.48	4.30	.80
Quinine Sulfate Imp ..	.50	.50	.50	.50	.80	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate ....	.42	.42	.42	.57 $\frac{1}{2}$	1.05	.50
Average .....	1.720	1.701	1.718	2.27	5.92	1.56

Factors have reported more active buying during the past week with orders increasing in numbers. Nothing spectacular has developed and most of the business transacted has been of a routine nature with no unusually large orders appearing. Prices are unchanged almost throughout the list, although additional firmness is noted in several items. Reports from Norway are conflicting and are causing uncertainty in the codliver oil market, with the spot price declining further. Quicksilver continues to show additional firmness with an active market reported for the mercurials, especially corrosive sublimate. Camphor continues firm at recent advance with only limited quantities afloat. Menthol has been in active demand and holders in New York have established a firmer undertone with advancing prices noted. Alcohol continues to be sold at low prices although the quantity being moved is very large. Resellers are still underquoting primary factors in a number of items. Bromides are reported firm in some directions, although spot prices have shown no actual change. Shipment positions continue high, and with buying active in one or two varieties there is a tendency to quote higher for spot.

**Acetanilid**—No change reported with prices firm.

**Acetphenetidin**—Prices are steady at recently announced figures with routine trading noted.

**Acid Acetylsalicylic**—Normal seasonal demand is noticeable with prices firm and unchanged in both first and second hands.

**Acid, Benzoic**—Active demand noted with prices firm and unchanged. Competition fairly keen.

**Acid Carboic**—Very little interest noted with prices steady.

**Acid Citric**—Demand reported active and steady. Prices firm and unchanged. Import costs for foreign acid are above spot prices.

**Acid, Diethylbarbituric**—No change noted with routine trading in evidence.

**Acid, Phosphoric**—Steady demand reported with prices unchanged.

**Acid, Salicylic**—Prices are firmly maintained despite active competition. Demand reported active.

**Acid Tartaric**—Very active demand exists and market is firm. Price unchanged at 28c@28 $\frac{1}{2}$ c lb with increased firmness produced by attempts to advance the duty.

**Adeps Lanae**—Demand continues active with prices unchanged.

**Alcohol**—Buying is taking place in large quantities but prices for denatured are still open to active shading. Open quotations are unchanged at 32c gal. for No. 5, but most of the business is passing at figures below that level. As low as 26c has been heard on a 100 drum order.

**Alkaloids**—Recent advance in eserine sulfate has become general. Eserine salicylate is unchanged at \$24.00 oz. Prices for other varieties are unchanged with an active seasonal demand in evidence.

**Aloin**—Market held firmer with prices unchanged.

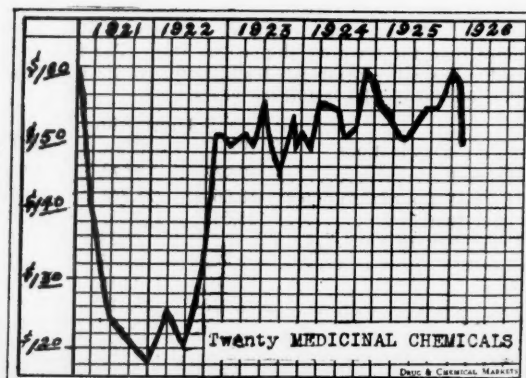
**Amidopyrine**—No change is noted in this market and prices are firm.

**Antipyrene**—Makers' prices are quoted unchanged with outside lots generally shaded to \$1.70 or better.

**Bismuth Salts**—Trading continues nominal with recent decline having no noticeable effect on the market. Outside lots of subnitrate are still available at \$2.75 with little shading noted on other salts.

**Bromides**—Prices show no change although a firmer tendency is indicated in some directions for imported potash. Goods are still available at 37c@39c lb as to holder with consumer demand reported normally active. Soda and ammonia are less active with prices unchanged.

**Camphor**—Prices are firmly held at recent advance to 80c lb, at which point factors feel that it will remain for the next two months. Further advances seem unlikely in view of the threat of competition from imported synthetic camphor. Japan is firm and there are only small lots afloat at present.





**Caramel**—Steady at recent decline.

**Chloroform**—No change is to be seen in this situation with prices steady.

**Codliver Oil**—Advices as to the new catch are still fragmentary, although it is generally believed here that it is below that of last year. Prices on spot have further declined to \$32.00@34.00 bbl. as to brand.

**Epsom Salt**—Resellers continue to quote \$1.97½@2.00 100 lbs. with factors unchanged at former prices.

**Formaldehyde**—Demand continues active with producers busy and prices unchanged.

**Furfural**—Makers continue to quote unchanged prices.

**Fusel Oil**—Price is unchanged at \$1.25@1.35 with a generally unsteady tone evidenced.

**Glycerin**—Dynamite is lower at 21c lb with soap lye and saponification firmer at 13¾c and 15c lb respectively. C. P. is unchanged.

**Guaiaicol**—No change seen in this situation with prices at recent low levels.

**Iodine**—Trading is normally active with prices firm and unchanged. Iodides are also firm and steady.

**Iron Salts**—Routine movement reported at unchanged prices.

**Menthol Natural**—Firmer tone is noted and the break has been checked. Principal sellers have advanced their price to \$5.70@5.75, although it is thought that former prices can still be done.

**Menthol Synthetic**—Increased production following further refinement of methods has caused makers to reduce their price to \$4.75@5.00 lb.

**Mercury**—Sales have been reported at \$89.75 and the price is now generally held at \$89.50@90.00 flask. A steadily firmer tone prevails.

**Mercurials**—Demand is reported very active in a seasonal manner, particularly for corrosive sublimate. Prices are steadily maintained.

**Methanol**—Competition on local market is unusually keen and prices are being shaded about 2c. Prices outside New York are firmly maintained at 55c@62c gal. for 95% and 57c@64c for 97%.

**Papain**—Continues scarce and high in price.

**Potassium Permanganate**—No change is noted in this market with quotations of 14½c@14¾c lb presumably capable of bettering on firm bids.

**Quinine**—Makers continue to quote unchanged prices which are generally shaded.

**Santonine**—Demand reported active with prices steady.

**Thymol**—There has been no further change since recent decline.

The firm of Robert McNeil, manufacturers of pharmaceuticals and surgical dressings since 1879, with their present headquarters at 2347 to 55 N. Reese st., Philadelphia, have broken ground for their new building. They intend putting up a modern fireproof four-story and basement structure, 60 ft. by 100 ft. at the corner of 17th and Cambria sts. at a cost of approximately \$225,000, including the installation of new machinery.

W. F. Caldwell, formerly chief engineer of the Monsanto Chemical Works, St. Louis, Mo., is now engineer for the Publicker Commercial Alcohol Co. of Philadelphia.

Roessler & Hasslacher Chemical Co.'s bowling team on Monday night, March 15, won three games with scores of 795, 872 and 839, respectively.

**MORPHINE, CODEINE LOWER IN LONDON**

**Price Reduced 2s—Ergot, Castor Oil Higher—Bergamot Oil Firmer—Lemon Oil, Spearmint Oil, Peppermint Oil, Anise Oil Easier—Peppers Lower—Market Generally Moving in Buyers' Favor—Camphor Up—Codliver Oil, Potassium Permanganate Lower**

(Special Radiogram to DRUG & CHEMICAL MARKETS)

London, March 24—The London market for chemicals remains generally quiet. Higher prices are quoted for ergot, castor oil, lime oil, pitch and rubber. The market for lithopone, bergamot oil, and linseed oil is firmer. An easier condition exists in lemon oil, spearmint oil, American peppermint oil, West African ginger, star anise oil, and acetic acid. Prices for morphine and codeine have both been reduced 2 shillings, while lanoline, fusel oil and pepper are lower.

London, March 13 (By Mail)—The chemical, drug and produce markets continue depressed and prices generally are moving in buyers' favor. Bismuth metal has been reduced by the combine by 2s 6d to 10s per lb. The reason is not far to seek. Larger supplies have been arriving of late and out of proportion to the demand for manufacturing purposes which had been of late restricted owing to the exceptionally high prices ruling. The manufacturers have promptly responded by reducing their quotations for bismuth salts as follows on the basis of one hundredweight contracts: Subnitrate 10s 9d per lb; carbonate 12s 6d per lb; salicylate 10s 3d per lb.

Camphor refined—Following the higher cost of crude the English refiners have revised their quotations upwards by 2d per lb. Japanese slabs remain firm but unchanged at 3s per lb and 2s 10d per lb c. i. f. to arrive.

Codliver Oil—The increased production in Norway and the continued weakness in exchange account for a further reduction in the price of finest steam refined quality to about 118s per barrel f. o. b. Bergen. The market is weak.

American peppermint oil in tins is quiet with offers on spot at 80s per lb and about 75s per lb c. i. f. for shipment. Japanese mint oil in the absence of business is nominally quoted at 12s 9d per lb on spot. Menthol is also quiet at 21s 6d per lb and synthetic English menthol has been reduced to 15s per lb in quantity.

Bergamot oil is quoted higher at 30s 6d per lb on spot and about 31s per lb c. i. f. forward. Oil of lemon is quietly firm with sales at 10s 6d to 11s per lb as to brand.

Potassium permanganate is lower at 7d per lb. Guaiaicol carbonate is dearer at 7s 6d per lb. Creosote oil is cheaper. Carbolic acid continues firm at 5¼d per lb f. o. b. Sodium acetate is scarcer and dearer at £20 10s per ton.

Carson P. Frailey, secretary of the American Drug Manufacturers' Association has announced that on April 14 the third day of the association's convention, at the Blitmore Hotel, New York, there will be a symposium on sales problems following the reports of the Pharmaceutical and Biological Sections. This will be under the direction of Turner F. Currens. Replies being received by Mr. Frailey indicate that this will be the largest convention ever held by the association.

George C. Pratt, vice-president of the National Drug Co., 4679 Stanton ave., Philadelphia, and vice-president of the Pharmaceutical Association, with his wife and family is taking a vacation in Pasadena, Calif.

# The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 889-894

## BELLADONNA ROOT HIGHER ON SPOT

Whole Asafetida Firmer—Higher Prices in Colocynth, Linden, Sabadilla, and American Wormseed—Declines Noted in Buchu, Calabar, Damiana, Digitalis, Ipecac, Larkspur, Wahoo Bark—Market Generally of Jobbing Proportions

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Asafetida, whole, 1c lb.	Kamala, 8c lb.
Balsam, Copaiba, 2c lb.	Linden Flowers, 1c lb.
Belladonna Root, 1c lb.	Mustard, D. Y. 1/2c lb.
Cinnamon, Cey., 2c lb.	Sabadilla Seed, 1c lb.
Colocynth, 1c lb.	Stramonium Seed, 1/2c lb.
Wormseed, Amer., 7c lb.	
Declined	
Aletris, 1c lb.	Jalap Root, 2c lb.
Asafetida, Poud., 1c lb.	Larkspur Seed, 25c lb.
Balsam, Peru, 5c lb.	Lavender Flowers, sel. 1c lb.
Beeswax, 1/2c lb.	Lobelia Herb, 1c lb.
Buchu, 1c lb.	Montan Wax, 1/2c lb.
Calabar Beans, 5c lb.	Nutmegs, 1c lb.
Cardamoms, bleached, 40c lb.	Nux Vomica, whole, 1/2c lb.
Damiana, 8c lb.	Orange Peel, sweet, 1c lb.
Deer Tongue Leaves, 5c lb.	Paprika, 1/2c lb.
Digitalis, 3c lb.	Peppers, bl. 1/2c lb.
Elecampa, 1/2c lb.	Pimento, 1/2c lb.
Elm Bark, sel., 1c lb.	Savory Leaves, 1/2c lb.
Helonias, 8c lb.	Soap Bark, cut 1c lb.
Ipecac, 15c lb.	Turmeric, 1/2c lb.
Wahoo Bark, tree, 2c lb.	

	Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, USP .....	\$2.24	\$2.24	\$2.24	\$3.33	\$9.90	\$4.42
Buchu Leaves, Short .....	.46	.47	.51	.70	4.00	.85
Cantharides Russian .....	.60	.60	.60	.85	9.00	2.10
Cocculus Indicus .....	.06	.06	.06	.08 1/2	.85	.03
Ergot, Spanish .....	1.20	1.20	.85	.52	4.50	.54
Insect Powder, pure .....	.29	.29	.29	.35	1.00	.28
Ipecac, Cartagena poud. ....	3.55	3.65	3.65	2.50	4.50	1.35
Nux Vomica .....	.05	.05	.05	.05	.14 1/2	.07
Opium gum .....	12.00	12.00	12.00	12.00	30.00	5.00
Rhubarb Root, H D .....	.35	.35	.35	.33	1.75	.15
Tragacanth, No. 1 ribbon .....	1.65	1.65	1.65	1.25	6.00	1.50
Wild Cherry Bl. Thin nat .....	.07 1/2	.07 1/2	.07 1/2	.09	.21	.07
Average .....	1.723	1.733	1.702	1.587	5.28	1.60

Very little of interest has developed in the crude drug market during the current week. March has been disappointing in the minds of most dealers, although jobbing business has been fairly active and some dealers have little complaint. Prices have shown little change of importance during the week, although there have been marked tendencies noted in several items. Very few of them are new, however, being mainly continuations of undertones noted for the past two or three weeks. Such is the continued strength in ergot, raspberries, balsams, golden seal, chamomiles, juniper berries, and lycopodium, and the weakness noted in buchu, damiana, and spices. Arnica flowers continue firm at recently advanced prices; henna is in a strong position; manna continues scarce for the small flake; and American wormseed has advanced further. Ipecac is easier with the close of the consuming season and sarsaparilla is still barred from the country.

### Botanical Drugs

**Aconite**—Prices are firm and unchanged with market steady.

**Agar Agar**—Japan has firmed up on shipment quotations following increased buying from this country which was brought about at the recent low quotations from over there. Spot prices have shown no change.

DRUG AND FINE CHEMICAL SECTION

**Aletris**—Lower prices are now quoted at 40c@42c lb. **Anise Seed**—No change is noted in this market with prices generally firm.

**Arnica Flowers**—Continue firm at recent advance.

**Balsams**—Copaiba continues firm with prices advancing to 42c@45c lb for Para and 46 1/2c@48 1/2c lb for South American. Peru is easier at \$1.80@\$1.90, with Tolu and the firs unchanged.

**Belladonna**—Root is reported firmer at 17c@18c lb with leaves unchanged at recent reduction.

**Buchu**—Continues easy on spot and for shipment with prices now down to 46c@50c lb.

**Calabar Beans**—One factor has reduced his price to 45c while others are claiming 60c lb.

**Cardamom Seeds**—Market generally is firm although goods are now available at the reduced price of \$2.60@ \$3.00 for bleached. Other varieties are unchanged.

**Chamomiles**—Extreme firmness characterizes this market with prices maintained at recent figures.

**Colocynth**—Passed goods are offered at the advanced price of 34c@35c lb with some offered on a when and if released basis at 28c lb.

**Damiana**—Market continues to decline with the advent of new crop material and goods are now quoted on spot at 40c@45c lb.

**Deer Tongue Leaves**—Quoted lower at 20c@25c as to holder.

**Digitalis Leaves**—Competition has reduced the price to 22c@25c lb.

**Elecampa**—One holder is offering at 7 1/2c lb with the majority claiming a strong market at 8 1/2c lb.

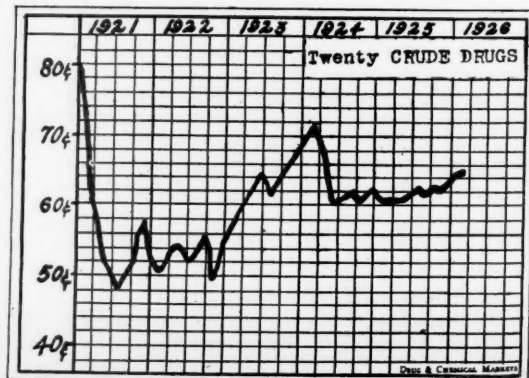
**Elder Flowers**—Firm market at 10c@11c lb.

**Elm Bark**—Select bundles are easier at 23c@25c lb with ground and powdered unchanged.

**Ergot**—Buying has fallen off due to prevailing high prices but market remains firm at \$1.20@\$1.35 as to holder. The Hamburg market is now at the latter figures.

**Golden Seal Root**—Market continues firm with some holders now tending to ask \$6.00 for whole root, but with lots still available at \$5.50. Powdered is now generally quoted at \$6.00@\$6.25 lb.

**Helonias**—Root is lower at 60c@65c lb.



**Henna**—Market continues extremely firm with little relief in sight.

**Ipecac**—With the virtual end of the consuming season, spot prices have eased off and whole Cartagena root is now available at \$3.20@\$.25 with powdered at \$3.55 lb.

**Jalap Root**—Price has declined to 24c@26c lb as to holder.

**Juniper Berries**—Very firm at unchanged prices.

**Kamala**—Price has advanced to \$1.00 lb, with routine trading noted.

**Larkspur Seed**—Goods are more readily obtainable and price has declined to \$1.65@\$.85 as to holder.

**Lavender Flowers**—Select flowers are lower at 37c@38c lb.

**Linden**—Flowers without leaves are firmer at 21c@25c lb.

**Lobelia**—Herb is lower at 36c@40c lb with seed unchanged.

**Lycopodium**—Market continues firm with advancing tendency noted. Price has not changed as yet.

**Manna**—Small flake is offered to arrive at 52c lb with no spot goods available.

**Nux Vomica**—Whole is lower at 4½c@6c lb with powdered unchanged.

**Orange Peel**—Sweet is lower at 10c@11c lb with no change in other varieties.

**Raspberries**—Continue scarce and firm; \$1.45@\$.150 lb.

**Sabadilla Seed**—Firmer from abroad and on spot. Price for whole has advanced to 22c@25c lb.

**Saffron**—Easy at reduced price of \$25.00@\$.260 lb.

**Sarsaparilla**—Mexican is offered on a when and if released basis at 28c lb.

**Savory Leaves**—Lower at 9c@9½c lb.

**Senna**—Steady and unchanged in price and position.

**Soap Bark**—Continues very firm, but cut is again available at reduced price of 9½c@10½c lb as to holder.

**Stramonium**—Leaves are higher at 13c@13½c lb with seed unchanged.

**Strophanthus**—Kombe is offered on a when and if released basis at \$1.10 lb.

**Wahoo Bark**—Bark of root is lower at 68c@70c lb with bark of tree unchanged.

**Wormseed**—American seed has again advanced to 19c lb.

#### Gums and Waxes

**Asafetida**—In active demand with whole advanced to 28c@30c lb and powdered lower at 44c@50c lb.

**Beeswax**—Crude yellow is lower at 41c@46c lb as to quality.

**Montan Wax**—Lower at 6½c@7c lb for crude and 25c@28c lb for bleached.

#### Spices

**Cinnamon**—Ceylon is higher with No. 1 up to 52c@53c lb and No. 3 up to 50c@51c lb.

**Mustard**—Dutch yellow is higher at 12½c@13c lb with only routine trading noted.

**Nutmegs**—Lower at 50c@51c lb for 110's. Other varieties unchanged.

**Paprika**—Lower at 18½c@25½c lb as to variety and grade.

**Peppers**—Market quiet and weak with blacks quoted at 25c@26c lb as to variety.

**Pimento**—Lower at 15c@15½c lb.

**Turmeric**—Price has declined to 8½c@9c lb as to variety and quality.

## Price List Revisions on Proprietary and Toilet Preparations

Name of Item	Unit	Now	Was
<b>Charts Remedy Co., Atlanta, Ga.</b>			
N—Charts, retails 10c	doz.	.75	
<b>Merck &amp; Co., New York</b>			
N—Lanum Cream, 1 oz. tubes	doz.	1.80	
C—Cod Liver Oil, 3 oz.	doz.	4.00	
<b>The Santine Co. of America, Atlanta, Ga.</b>			
N—Santine, retails 25c	doz.	2.00	
<b>Stomatol Co. of America, Highland Park, Ill.</b>			
N—Stomatol Tooth Paste, retails 50c	doz.	4.00	
N—Stomatol Mouth Wash, retails 60c	doz.	4.80	
N—Stomatol Mouth Wash, retails \$1.00	doz.	8.00	
N—Shavitol, Liquid Shaving Soap, retails 25c	doz.	1.85	
<b>S. A. Birdsong, New York</b>			
N—Mint-Lax, retails 25c	doz.	2.00	
<b>H. A. Metz Laboratories, New York</b>			
C—Iodotropon Tablets, 20's	each	1.00	
C—Iron Tropon, 100 Gm.	each	1.00	
C—Malt Tropon, 100 Gm.	each	.65	
C—Malt Tropon, 225 Gm.	each	1.30	
<b>Luthol Research Laboratory, Columbus, Ohio</b>			
N—Luthol Tooth Paste	doz.	4.50	
N—Luthol Mouth Wash and Gargle	doz.	4.00	
<b>Monroe Chemical Co., Atlanta, Ga.</b>			
Mineral Vita, Tonic, retails \$1.00	doz.	8.00	
Taxitabs, retails 25c	doz.	2.00	
<b>Armstrong Chemical Co., Boston, Mass.</b>			
Citrate Magnesia, ¼ lb.	doz.	4.00	
Citrate Magnesia, ½ lb.	doz.	7.00	
Citrate Magnesia, 1 lb.	doz.	12.00	
Citrate Magnesia, 5 lb.	doz.	52.00	
Bromide Seltzer, ¼ lb.	doz.	4.00	
Bromide Seltzer, ½ lb.	doz.	7.00	
Bromide Seltzer, 1 lb.	doz.	12.00	
Bromide Seltzer, 5 lb.	doz.	52.00	
Kissengen, ¼ lb.	doz.	4.00	
Kissengen, ½ lb.	doz.	7.00	
Kissengen, 1 lb.	doz.	12.00	
Lithia, ¼ lb.	doz.	6.00	
Lithia, ½ lb.	doz.	11.00	
Lithia, 1 lb.	doz.	21.00	
Lithia Compound, ¼ lb.	doz.	3.00	
Lithia Compound, ½ lb.	doz.	14.00	
Lithia Compound, 1 lb.	doz.	33.00	
<b>Ebrey Chemical Works, Inc., Tampa, Fla.</b>			
C—Anticaculina, Ebrey, Liquid	doz.	14.00	
C—Anticaculina, Ebrey, Tablets	doz.	14.00	
C—Pastillas Digestivas, Ebrey	doz.	14.00	
C—Piladoras Laxativas, Ebrey	doz.	2.50	
C—Preparado de Ebrey, for the hair	doz.	4.50	
<b>Geo. A. Meyers, Dallastown, Pa.</b>			
A—Meyers Whooping Cough Remedy, retails 60c doz.	4.80	4.00	
(Formerly called Eureka Whooping Cough Remedy)			
<b>Merrell-Soule Co., Syracuse, N. Y.</b>			
N—Lactic Acid Milk Powder, lbs.	doz.	9.50	
N—Akrolac, lbs.	doz.	6.75	
<b>The Procidie Co., Wilkes-Barre, Pa.</b>			
Procidie, 8 oz., retails 60c	doz.	4.50	
Procidie, 16 oz., retails \$1.00	doz.	8.00	
<b>Pyrene Mfg. Co., Newark, N. J.</b>			
Pyrene Safety Cleaner, 4 oz., retails 25c	doz.	2.00	
Pyrene Safety Cleaner, 8 oz., retails 50c	doz.	4.00	
Pyrene Safety Cleaner, Qt. Can, retails \$1.50	doz.	12.00	
<b>Kent Company, Kansas City, Mo.</b>			
N—Mykel Corrective Dentifrice, retails 50c	doz.	4.00	

Pyrethrum flower production in Japan for the year 1926 will approximate 6,750 long tons, according to an estimate based on the acreage devoted to cultivation. Official statistics covering the production of this drug in Japan are not available. In addition to this year's crop there will be carried over from the 1925 crop an estimated total of 2,300 tons making the quantity available by July, 1926, 9,050 long tons. This represents an estimated excess over 1925 of about 1,900 long tons. Exports to the United States during 1925 aggregated 2,806 long tons as against 1,620 for the year previous. Government experts confidently believe that pyrethrum flower prices will drop below 12c a lb c. i. f. New York. At the present time considerable strength has been shown at 12.5c a lb c. i. f. New York.

# The Essential Oil Market

Current Spot Quotations for Essential Oils, pages 894-896, Aromatic Chemicals, 897

## OIL CANANGA ADVANCED FURTHER

Higher Prices for Distilled Oil Limes, Menthol, Musk Xylene—Terpineol Generally Advanced—Lower Prices for Oils Cassia, Citronella, Lavender, Lemon, Linaloe, Peppermint, Petit Grain, Pimento—Amyl Salicylate, Cinnamic Alcohol, Musk Ambrette Lower—Market Generally Routine

### PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Oil Cananga, 30c lb.	Menthol, 20c lb.	Oil Peppermint, 75c lb.	
Oil Limes, dist., 70c lb.	Musk Xylene, 5c lb.	Oil Petit Grain, 15c lb.	
	Terpineol, 1c lb.	Oil Pimento, 30c lb.	
		Amyl Salicylate, 20c lb.	
		Cinnamic Alcohol, 20c lb.	
		Musk Ambrette, 50c lb.	
Oil Cassia, 5c lb.			
Oil Citronella, Cey., 1c lb.			
Java, 5c lb.			
Oil Lavender, 25c lb.			
Oil Lemon, Ital., 15c lb.			
Oil Linaloe, 35c lb.			

Trend of the Market					
	Today	Last Week	Last Month	Last Year	War Peak
Oil Bergamot	7.00	7.00	5.90	3.50	7.00
Oil Citronella Ceylon	.45	.48	.48	.70	1.02
Oil Cloves	1.85	1.85	1.85	1.75	3.70
Oil Lemon, Italian	2.60	2.75	3.15	1.00	1.70
Oil Peppermint Nat.	16.25	17.00	17.50	13.75	9.00
Oil Sandalwood E I	7.10	7.10	7.10	7.00	14.00
Oil Sassafras, Artif.	.27	.27	.27	.35	1.00
Coumarin	3.10	3.10	3.10	3.25	31.00
Benzaldehyde, USP	1.25	1.25	1.15	1.50	5.15
Methyl Salicylate Can.	.40	.40	.43	.47	1.00
Vanillin	.49	.49	.49	.49 1/2	.95
Average	3.697	3.790	3.738	2.94	6.83

Trading in essential oils has been routine only, without any noticeable high spots during the week. In fact, one dealer described the market as dead and lacking in resilience, although the majority find a fair small order business coming in regularly. New price developments are almost entirely lacking, while further changes in oils that have shown marked tendencies one way or another during the past few weeks have occurred. That is, lemon has continued to ease off while still lower prices have been heard in peppermint and spearmint. Bergamot continues firm at unchanged quotations. Cananga has shown further recovery from its recent period of uninteresting lack of vitality. Cassia and citronella continue to ease off as they have during the past couple of weeks. Lavender is easier in one or two directions with linaloe also lower. Limes continues scarce with prices constantly quoted higher but meaning little to the trade. Petit grain and pimento are lower.

Aromatics show a declining tendency in one or two instances with the majority steady and unchanged. Lower prices are heard in amyl salicylate, cinnamic alcohol and musk ambrette. Prices of menthol, musk xylene, terpineol and the balsams are higher. Trading in others continues normal with prices unchanged.

### Essential Oils

**Oil Almond**—Steady market exists with prices firm and unchanged.

**Oil Amber**—There has been no further change since recent decline.

**Oil Anise**—Prices firm and unchanged on routine trading.

**Oil Apricot Kernel**—Market continues routine with no change noted in prices.

**Oil Bergamot**—No real easing is seen in the spot situation although some outside brands are quoted at lower than \$7.00@7.50 lb.

**Oil Cananga**—Continues to recover from recent period of dullness and price has further advanced to \$3.20@3.25 for native and \$3.50@3.65 for rectified.

**Oil Cassia**—Market continues weak and the price has declined in some hands to \$2.25@2.30 for the 80-85% and \$2.75@2.80 for U. S. P. redistilled.

**Oil Cedar Wood**—Active buying is reported with prices steady at recent decline.

**Oil Citronella**—Shipment positions are reported considerably easier, and although one factor claims a strong spot market, the price has generally receded to 45c@47c lb for Ceylon in drums and 47c@49c lb in tins. Java oil is also lower at 75c@80c lb in drums and 85c@90c lb in tins.

**Oil Cloves**—Market remains unchanged with prices steady.

**Oil Eucalyptus**—Prices are firm and unchanged with routine demand noted.

**Oil Geranium**—Trading is negligible and prices are weak at recent levels. There has been no further change.

**Oil Juniper Berries**—Firm at recently announced prices.

**Oil Lavender**—U. S. P. oil is lower at \$4.75@5.00 lb in tins. Lavender spike oil is unchanged.

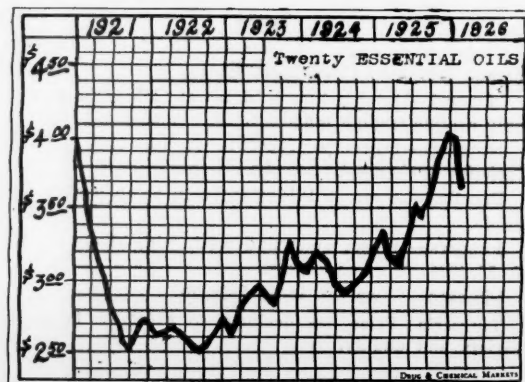
**Oil Lemon**—Italian oil is in an easier position due to the delivery of a number of doubtful lots from Italy. Prices are lower with range quoted at \$2.60@2.90 lb as to holder. Some holders still refuse to recognize the inside quotation.

**Oil Limes**—Spot stocks continue extremely limited and prices are still rather nominal. Quotations are held at \$8.50@9.00 for expressed with distilled advanced to \$6.00@6.50 lb.

**Oil Linaloe**—Price has been reduced to \$2.90@3.25 as to holder.

**Oil Orange**—Buying is reported as comparatively inactive with prices generally firmly maintained at recent figures.

**Oil Peppermint**—With the approach of the new crop,





even though it is still distant, the market continues to weaken and spot prices have declined to \$16.25@17.00 for cases of natural, \$17.25@19.00 for redistilled and \$15.50 for drums of natural.

**Oil Petit Grain**—South American oil is lower at \$2.25@2.40 lb in tins. Some transactions among dealers have been made as low as \$2.10, but it is doubtful if they could be repeated.

**Oil Pimento**—Market continues to shade off and the price is lower at \$4.85@5.00 lb.

**Oil Sandalwood**—Steady at recent decline.

**Oil Spearmint**—Standard brands are held unchanged at \$8.75@9.50 lb although sales have been reported among some dealers at as low as \$8.00 lb.

**Oil Wormseed**—Continues firm and steady at unchanged prices.

**Oil Wormwood**—Routine trading noted with prices firm and unchanged.

#### Aromatic Chemicals

**Amyl Salicylate**—Following weakness in market for the alcohol, and the recent decline in methyl salicylate, this item has just declined to \$1.25@1.30 lb.

**Benzaldehyde**—Prices are firm and unchanged with routine trading noted.

**Cinnamic Alcohol**—Price has been reduced to \$4.80@5.00 lb in 1-lb. bottles.

**Coumarin**—Steady market exists with prices firm and unchanged.

**Diethyl Phthalate**—No change noted with prices steady.

**Menthol**—Buying has been active and factors have succeeded in advancing the price to \$5.70@5.75 in cases which they claim is more nearly in keeping with replacements.

**Methyl Salicylate**—Steady and unchanged at recent decline.

**Musk, Artificial**—Ambrette is lower at \$7.50@8.00 lb in 1-lb. cans and xylene is higher at \$2.70@3.25 lb in 5-lb. cans.

**Safrol**—Steady at recent decline.

**Terpineol**—All holders have now advanced their price to 30c@32c lb in drums, which price has been maintained by some makers for some time. Tins are also higher at 32c@35c lb as to holder.

**Vanillin**—Prices are firm and unchanged with trading normal.

#### Vanilla Beans

There has been some talk of higher prices in some directions, but goods are still available at \$5.50@10.00 as to holder for whole Mexican beans, \$5.00@6.50 for cut Mexicans, \$3.00@3.75 for Bourbons, \$3.25@3.75 for South American, and \$2.50@2.75 for Tahitis. Market is generally regarded as well stabilized at present figures, and little change is anticipated. Buying is active.

Rose oil was exported from Bulgaria to the extent of 142 kilos valued at 6,223,772 leva during the month of October, 1925. Great Britain received 15, Germany 26, France 79, Switzerland 22 and other countries, 2 kilos. The total exports of this commodity during the first ten months of last year amounted to 2,003 kilos, valued at 79,527,516 leva, according to the latest official Bulgarian statistics.

Joseph A. Huisking of C. L. Huisking, Inc., who was recently incapacitated by a dislocated knee, has returned to business but still finds it quite difficult to get around.

#### BERGAMOT WELL MAINTAINED IN MESSINA

**Price Controlled By Holders, and Independent of Actual Supplies—Lemon Oil Fluctuates on Local Speculation—Prices Decline After Sellers Cover—Demand For Orange Slight—Little Interest in Mandarin Oil**

Parsons & Petit, New York importers of essential oils, have received the following letter from their principals, Emil Fog & Figli, in Messina:

Lemon oil. The month of February witnessed unprecedented developments in this market, seeing that the c. i. f. figure originally being about 8s 3d rose to 12s 6d (or from \$2.00 to \$2.95) in the course of about 10 days and then fell again to 9s 6d c. i. f. London (\$2.30 c. i. f. New York) around which level it oscillated during the last 15 days. Needless to say, these very high figures were not due to foreign demand, but to intense local speculation and a good deal of business and activity in Messina itself, some exporters being compelled to cover their needs for obligations abroad. Once these engagements were terminated, very little interest has been experienced here, which is but a reflection of the inclination to trade at such prohibitive prices as shown by importers.

Sweet orange oil. The demand for this oil this year has been very limited, although the increase in price has been but of small degree. Holders are hoping that more interest will be displayed during the Summer months and therefore have no intention of permitting a serious drop. The price in these days just keeps ahead of that of lemon oil and we note that some business has passed on a basis of 10s 6d c. i. f. London (\$2.50 c. i. f. New York).

Mandarin oil. Very little interest has been evinced during the past month, but holders are exceedingly firm and contend that with stocks being so small, prices will rise rapidly when the demand commences to show itself. This is true to a large extent and we should not be surprised to see much higher prices paid by foreign consumers during the warmer months. Quotations from different sources vary and the current medium figure is 27s c. i. f. London (\$6.40 c. i. f. New York).

Bergamot oil. The high price for this oil is not only extremely well maintained, but the tendency is always for the increase. Much as foreign and home merchants are persuaded of the impossibility of remaining at such heights for any time, we have seen that this is the case and a fair amount of business was done at a price as high as 29s c. i. f. London (\$6.90 c. i. f. New York).

Producers of this oil nearly always pull together and financial considerations do not enter into their calculations, so that they can force an upward movement without much serious difficulty. Last year the crop was excellent and the total output was, in fact, abnormally high, but still, the price kept steadily increasing from which there has been no reaction worth speaking of; this year's crop is much smaller, so that there is little room for optimism, in so far as any important decline is to be awaited.

French lavender oil, in a recent number of *Les Parfums de France* is reviewed as follows: "The price obtained at the beginning of the crop was 240 francs per kilo, compared with 190 francs in 1924. Contrary to expectations the price advanced to 325 francs, but this was not long maintained, the figure 240 francs being again touched. There are strong reasons for believing that American buying is at a standstill, and the important stocks of lavender now held must begin to be moved. The price of 325 francs for lavender would never have been paid if the dollar and pound had not attained the present high value."

# Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

**CLASSIFICATION**—Prices quoted herein are listed in the following groups: Chemicals, including heavy, technical and industrial chemicals; fine, medicinal, and photographic chemicals; coal-tar crudes and intermediates; tanning and dye extracts; dye and tan woods; naval stores; fillers and pigments; dextrins, sizes and starches; fertilizer materials, accelerators and solvents, and miscellaneous products; Crude Drugs, including barks, herbs, roots, etc. Essential oils, including oleoresins, synthetic aromatic chemicals and isolates. Fatty Oils, including animal, vegetable, and fish oils, tallows, greases and fats. All groups are in alphabetical order.

**Packages**—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

**QUOTATIONS**—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such. Chemical prices quoted herein

are for goods spot New York or Metropolitan District, f. o. b. ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

**WEIGHTS AND MEASURES**—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	— .454 Kilogram
1 Kilogram	—2.20 Pounds

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## Chemicals

Acetaldehyde Dns., or Cyl. e-l wks	.. : .26	ACID		ACID (Con't)	
le-l wks	.. : .35	Butyric, 60% pure 5 lb bot	.. : .60	Hydrobromic, 48% com'l. 155 lb	.. : .48
ACETANILID, tech., 150 lb bbls	.. : .31	90%	.. : .75	chys wks	.. : .45
100 lb kegs	.. : .23	CP 10 lb bot	.. : 1.50	48% com'l. 10 chys wks	.. : .45
USP, 200 lb bbls	.. : .37½	Camphoric USP, VIII 1 lb bot	.. : 5.00	40% USP, 155 lb chys wks	.. : .55
Second hands	.. : .34	Carbolic, USP, crys see also Phenol		10% USP, 100 lb chys wks	.. : .13
Acetic Anhydride		112 lb tins	.. : .25	Hydrochloric, see also Acid Muratic	
85% 107 lb chys	.. : .30	25 lb tins	.. : .28	CP, USP, 110 lb chys	.. : .07
92-95%, 100 lb chys	.. : .35	5 lb tins or bot	.. : .30	Hydrocyanic, wks cyl	.. : .90
Acetic Ether, see Ethyl Acetate		1 lb bot	.. : .35	HYDROFLUORIC, 30% 400 lb bbls	
Acetone, 50 gal drums	.. : .40	Liquid USP, 1 lb bot	.. : .34	wks	.. : .08
Acetone, CP, 700 lb drs e-l wks	.. : .13	Crude, 35% 50 gal bbls gal	.. : .83	30% 100 lb chys. wks	.. : .08
Tank cars, wks	.. : .13	10% 50 gal bbls gal	.. : .28	48% single 100 lb chys wks	.. : .10
700 lb drs le-l wks	.. : .13½	Carbonic, see Carbon Dioxide		52% 100 lb chys., wks	.. : .12
350 lb drs le-l wks	.. : .14	Chloracetic,		52% 10 chys wks	.. : .11
Acetone Oils, light, drs., wks gal	1.65 : 1.75	Mono 100 lb bbls wks	.. : .25	60% 100 lb chys., wks	.. : .14
Heavy, drs wks gal	1.65 : 1.75	Di, 150 lb chys wks	.. : 1.00	60% 300 lb dr. wks	.. : .13
Acetophenetidin, 225 lb bbls	1.60 : 1.65	Tri, 5 lb bot	.. : 2.50	White Acid, 100 lb chys., wks	.. : .28
Acetyl Chloride, 100 lb chys	.. : .45	Chlorosulfonic, 1500 lb drs		White Acid, 10 chys wks	.. : .25
Acetylenetetrabromide	.. : 1.60	wks	.. : .15	Hydrofluosulfic, 35% 450 lb bbls	.. : .10
Acetylenetetrachloride Drums wks	.. : 1.10½	Chromic, USP, 200 lb drums	.. : .40	wks	.. : .13
ACID, 1, 2, 4, 250 lb bbls	.. : 1.25	98% Pure 400 lb drums	.. : .37	Hypophosphorous, USP 30% 5	
Acetic, 28%, 400 lb bbls e-l		Chromotropic, 300 lb bbls	.. : 1.25	gal. dems	.. : .35
wks	.. : 3.24	Chrysanthic, see Chrysanthin		USP, 10% 5 gal dems	.. : .36
28% le-l wks	.. : 3.49	Cinnamic, 5 lb cans	.. : 3.25	LACTIC, 22% dark 500 lb bbls	.. : .05½
56% e-l wks	.. : 6.09	CITRIC, USP, crys. 230 lb bbls	.. : .45	22% light, bbls	.. : .06½
56% le-l wks	.. : 6.34	Food., USP, 200 lb bbls	.. : .46	44% dark, bbls	.. : .11
70% bbls e-l wks	.. : 7.51	Imported crys., 112 lb kegs	.. : .44½	44% light, bbls	.. : .13
70% le-l wks	.. : 7.76	Single kegs	.. : .47	66% dark, bbls	.. : .13½
80% com'l. bbls e-l wks	.. : 8.41	Cleve's 250 lb bbls	.. : .95	66% light, bbls	.. : .26
80% com'l. le-l wks	.. : 8.66	Cresylic, 95% dark drs NY gal	.. : .54	USP, IX 100 lb chys	.. : .70
80% pure bbls e-l wks	.. : 9.30	97-99% pale NY	.. : .58	USP, VIII 100 lb chys	.. : .60
80% pure le-l wks	.. : 9.55	Crude, spot drums		Laurent's 250 lb bbls	.. : .80
Glacial, bbls e-l wks	.. : 11.47	Diethylbarbituric, Dom., 25 lb lots		Metanilic, 250 lb bbls	.. : .65
Glacial, le-l wks	.. : 11.72	1 lb bot	.. : 8.00	Mixed, Sulfuric-nitric	
Glacial, USP, chys wks	.. : 12.22	Imp. bulk	.. : 4.15	Drums, wks	.. : .07½
Acetylalicylic, 225 lb bbls	.. : 72½	Formic, 85% tech., 140 chys	.. : .11	Drums wks	.. : .01½
Second hands	.. : .70	90%-80% chys incl	.. : .11	Tank cars, wks	.. : .06½
Anthranelle, tech., drs	.. : .80	Gallie, USP, 150 lb bbls	.. : .69	Tank cars wks	.. : .01
99-100%, 100 lb drs	.. : .98	Tech.	.. : .50	Molybdic, 85% pure 100 lb kegs	1.25 : 1.30
Boric acid, tech., 100 lb bbls	.. : .58	Gamma, 225 lb bbls wks	1.30 : 1.36	100% CP, 100 lb kegs	1.30 : 1.35
Tech., ton lots bbls	.. : .57	Glycerophosphoric, 25% 1 lb bot	1.85 : 1.95	Monosulfonic F.Delta 50 lb tins	.. : 1.65
USP, 100 lb bbls	.. : .60	H 225 lb bbls wks	.. : .63		
Second hands	.. : .55	Hydroiodic, 10% USP 5 lb bot	.. : .70		
Boric crys., powd. 250 lb bbls	.. : .09½				
Keps 100 lb	.. : .10				

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Perth Amboy, New Jersey

Chicago Office  
180 North Market St.

## Chemicals

ACID			ACID			ACID		
MURIATIC, 20° ebys lc-l			Picric, 450 lb bbls	.30	.33	Valeric, CP, 10 lb bot	2.50	2.75
wks	1.00	1.70	Pyrogallie, crys., 5 lb cans	1.25	1.30	Aconitine Alk., cryst., 1 oz vis.	.02	30.00
Chys, c-l wks	1.00	1.35	Resublimed, 5 lb cans	1.50	1.60	Amorphous 1 oz vis	.02	20.00
Tank cars, wks	1.00	1.00	Tech., powd., 200 lb bbls	.85		Adeps Lanae hydrous 350 lb bbls	.20	.21
18° 120 lb ebys			Salicylic, tech., 125 lb bbls	.33	.34	Anhydrous, 350 lb bbls	.22	.23
c-l wks	1.00	1.25	USP, 100 lb bbls	.34	.35	Albumen, Egg, edible	1.05	1.07
Tank cars, wks	net ton		Second hands	.33½	.34½	Tech., 100 lb drs	1.01	1.03
22° 120 lb ebys			Sulfanilic, 250 lb bbls	.15	.18	Blood 225 lb bbls	.55	.60
c-l wks	1.00	1.75	SULFURIC, 66° 180 lb ebys			Vegetable edible	.60	.65
Muriatic, CP, & USP, see Acid Hydrochloric			lc-l wks	1.50	1.85	Technical	.50	.55
Naphthionic, tech., 250 lb bbls	.55	.59	Chys, c-l wks	1.00	1.25	ALCOHOL, amyl See Fuel Oil		
Neville & Winter's 180 lb bbls	.95	.99	1,500 lb Drums lc-l		1.10	Benzyl, 5 lb bot	1.45	1.55
NITRIC, 36° 135 lb			wks	1.00		Butyl 50 gal drs wks c-l	.19	.20
Chys lc-l wks	1.00	5.00	Drums c-l wks	1.00	.80	Drums, lc-l wks	.19½	.20½
Chys c-l wks	1.00	4.75	Tank cars, wks	net ton	14.00	Tanks cars wks	.18½	.19½
38° lc-l wks	1.00	5.50	60° 1500 lb drums		1.00	Ethyl, USP, 190 pf 50 gal	4.75	4.80
Chys c-l wks	1.00	5.25	lc-l wks	1.00		bbls	.60	.65
40° lc-l wks	1.00	6.00	Drums, c-l wks	1.00	.75	Export	.60	.65
Chys, c-l wks	1.00	5.75	Tank Cars, wks	net ton	10.00	Anhydrous drums c-l	.66	
42° lc-l ebys, wks	1.00	6.50	CP, 175 lb ebys	.07	.08	Cologne Spirit, 50 gal bbls gal	4.85	4.90
Chys, c-l wks	1.00	6.25	Oleum 20 pc 1500 lb drums		1.40	Denatured		
CP, ebys single wks	1.00	.12 .13	lc-l wks	1.00	1.15	No. 1 complete denat., 190 pf	.35	.49
Oxalic, 300 lb bbls, wks	.10%	.11	Drums, c-l wks	1.00	1.15	50 gal bbl incl	.35	.44
Bble, NY	.10%	.11	Tank cars, wks	net ton	17.00	Carlots	.32	.42
Keps, 100 lb NY	.11½	.11½	Oleum, 40% drs lc-l wks net ton		40.00	50 gal drums extra	.32	.42
Imp., 500 lb casks	.11½	.11½	Oleum, 60% drs, lc-l wks net ton	60.00	70.00	Tank cars	.30	.40
Bbls	.11½	.11½	Sulfurous, USP 6% 100 lb ebys	.05	.06	No. 1 Special denat. 190 pf	.35	.49
Phenylchloride	5.00	5.25	4% 100 lb ebys	.04	.05	50 gal bbl incl	.35	.44
Phosphoric, 50% tech., 150 lb			USP, 5 gal dems	.06	.08	Carlots	.32	.42
Chys	.07	.07½	Tannic, tech., 300 lb bbls	.30	.40	50 gal drums extra	.32	.42
Syrup USP, 70 lb drms	.15	.16	USP, powd., 200 lb bbls	.75	.80	Tank cars	.30	.40
Demis	.16	.17	USP, fluffy, 50 lb bbls	.75	.80	No. 5, Complete denat. 188 pf	.35	.49
Imported	.15	.16	Tartaric, USP, cryst., 300 lb bbls	.29	.29	50 gal bbl incl	.35	.49
Second hands	.15	.16	USP, powd., 300 lb bbls	.28	.28½	Carlots	.32	.42
Phthalic, see Phthalic Anhydride			Imp., USP, 240 lb bbls	.28	.28½	50 gal drums extra	.32	.42
Picramic, 300 lb bbls	.50		Powd., 240 lb bbls	.28	.28½	Tank cars	.30	.40
			Tobias, 250 lb bbls	.85		No. 6, Complete denat. 199 pf		
			Tungstic, 100 lb kegs	1.00		No longer manufactured		

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## Chemicals

## ALCOHOL (Cont'd)

In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.

Diacetone, 50 gal drs. fgt. allowed .....	gal	2.15	: 2.30
Isobutyl, crude 50 gal drs .....	gal	...	...
Refined, 100 lb cans .....	lb	...	...
Isopropyl, refined, 90-91%, 50 gal drs .....	gal	1.00	: 1.25
Ref'd 98-99% drs .....	gal	1.25	: 1.50
Phenylethyl 1 lb bot., dom .....	lb	8.00	: 10.00
Propyl, nml., 50 gal drs .....	gal	...	: 1.00
Aldehyde Ammonia 100 gal drums .....	drum	.80	: .83
Alcoln, USP, 100 lb cases .....	case	.85	: .88
Alpha-Naphthol crude 300 lb bbls .....	lb	...	: .65
Refined .....	lb	.85	: .90
Alpha-Naphthylamine, 350 lb bbls .....	lb	.35	: .37
Ton lots bbls wks .....	...	...	: .35
ALUM, Ammonia, lump 400 lb bbls wks, le-1 .....	lb	3.15	: 3.50
Ground, 400 lb bbls wks 100 lb .....	lb	3.25	: 3.65
Powd. 380 lb bbls wks 100 lb .....	lb	3.55	: 3.90
Chrome, 500 lb cks., wks .....	lb	5.25	: 5.50
Potash, lump 400 lb bbls wks .....	lb	3.50	: 3.75
Bbls, c-1 wks .....	lb	3.35	: 3.40
Imported lump .....	lb	...	: 3.25
Ground, 400 lb bbls wks 100 lb .....	lb	3.50	: 3.85

## ALUMS, Potash (Cont.)

Imp., 350 casks .....	100 lb	2.65	: 3.00
Powd., 380 lb bbls wks .....	100 lb	3.50	: 4.00
Chrome, 500 lb casks wks 100 lb .....	...	5.25	: 5.50
Grd., 400 lb bbls. wks 100 lb .....	...	...	: 3.75
Bbls c-1 wks .....	100 lb	...	: 3.50
Aluminum metal, c-1 NY .....	100 lb	28.00	: 29.00
Chloride, anhyd., 275 lb drs .....	lb	.35	: .40
Crystals, 375 lb bbls .....	lb	...	: .06 1/2
30% sol. 120 lb cbs .....	lb	.03 1/2	: .04
Hydrate 98% light 90 lb bbls .....	lb	.17	: .18
Heavy 62-64% 220 lb bbls .....	lb	.06	: .06 1/2
400 lb bbls wks .....	lb	.06 1/2	: .07
Stearate, 100 lb bbls .....	lb	.23	: .24
SULFATE, Iron-free bags c-1 wks .....	100 lb	2.00	: 2.10
Bbls c-1 wks .....	100 lb	2.15	: 2.25
Imported, spot .....	100 lb	1.60	: 1.65
Comm'l 1/2% iron bgs c-1 wks .....	East 100 lb	...	: 1.40
Cont. bgs c-1 wks. E 100 lb .....	...	1.35	: 1.40
Bags, c-1 wks W .....	100 lb	...	: 1.40
Bbls, c-1 wks E .....	100 lb	...	: 1.55
Bulk c-1 cont. wks E 100 lb .....	...	...	: 1.50
Amidol (See Diaminophenol)			
Amidopyrine, Imp., 10 lb bbs .....	lb	4.60	: 5.00
Domestic 10 lb boxes .....	lb	4.60	: 4.75
Aminonobenzene, 110 lb kgs .....	lb	...	: 1.15
AMMONIA, anhyd 100 lb ctyl .....	lb	.13	: .15
Water 26° 800 lb drs del .....	lb	.03 1/2	: .04
Drs. c-1 delivered .....	lb	.03	: .03 1/2
Tanks .....	lb	.02 1/2	: .03
CP, cbs .....	lb	...	: .10

Ammonium Acetate, 100 lb kgs .....	...	...	: .43
Benzoate, USP, 1 lb bot .....	lb	...	: 1.27
Bifluoride, 300 lb bbls .....	lb	.21	: .22
100 lb kgs .....	lb	.22	: .23
Bromide, 450 lb bbls 50 lb bbs .....	...	...	: .55
Imported, 112 lb boxes .....	lb	.50	: .52
Carb., tech., 550 lb cases .....	lb	.08 1/2	: .09
Powd., tech., 550 lb cks .....	lb	.07 1/2	: .07 1/2
USP, lump, 100 lb kgs .....	lb	.11	: .11 1/2
Powd., 100 lb kgs .....	lb	.13	: .13 1/2
Second hands .....	lb	.11	: .11 1/2
Chloride, Domestic			
White, 250 lb bbls c-1 .....	lb	...	: .06
250 lb bbls le-1 wks .....	lb	.06 1/2	: .06 1/2
Imported white 600 lb cks .....	lb	.05 1/2	: .05 1/2
CP, USP, gran bbls .....	lb	.13	: .13 1/2
Gray, 250 lb bbls. wks .....	lb	.07 1/2	: .08
Bbls., c-1 wks .....	lb	...	: .07
Imported gray 550 lb casks .....	lb	.06 1/2	: .06 1/2
Lump, 500 lb casks, spot .....	lb	.11	: .11 1/2
Ichthyolate, as to brand .....	lb	4.85	: 5.00
Iodide, USP, 25 lb jars .....	lb	...	: 5.20
Lactate, 500 lb bbls .....	lb	.15	: .16
Refined Crystals bbls .....	lb	...	: .20
CP gran., 100 lb kgs .....	lb	.35	: .37
Oxalate, pure 100 lb kgs .....	lb	.35	: .37
Perulfate, 112 kgs .....	lb	.25	: .30
Phosphate, dibasic 200 lb bbls .....	lb	...	: .38
Mono, 325 lb bbls .....	lb	.12	: .12 1/2
Tri basic 325 lb bbls .....	lb	...	: .04
Salicylate USP, 100 lb kgs .....	lb	.75	: .80
Sulfate bulk c-1 .....	100 lb	...	: 2.90
Southern points .....	100 lb	...	: 2.95
200 lb dbl. bgs f.a.s. 100 lb .....	lb	...	: 2.75
Sulfate-Nitrate, bulk fob NY Unit .....	...	...	: 2.29
Sulfoeyanide, tech., 100 lb kgs .....	lb	.40	: .45
CP, 25 lb jars .....	lb	.50	: .55
Amyl Acetate, tech., 50 gal drs gal .....	gal	1.90	: 2.00
Refined, 50 gal drums .....	gal	2.40	: 2.50
Alcohol see Fuel Oil			

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## Chemicals

.43	Amyl Butyrate absolute cans	1.20	: 1.30
1.27	ANILINE OIL, 980 lb drums	.16	: .17
.23	Hydro Bromide	...	: .75
.55	Aniline Salt, 200 lb bbls	.23	: .24
.32	Annatto, fine	.41	: .48
.09	Anthracene 80-85% 600 lb casks	...	: .65
.07%	wks	.60	: .65
.11%	Anthraquinone, sub 125 lb bbls	.95	: 1.00
.13%	Antimony metal, slabs, tons lots	.19	: .19 1/4
.11%	Needle powd., 100 lb cases	.21 1/4	: .22
.06	Bromate	...	: 1.50
.06%	ANTIMONY CHLORIDE, anhyd 1000 lb	...	: .45
.05%	dss	.16	: .17
.13%	50 lb casks	.45	: .48
.08	Sol'n 130 lb carboys 48°	...	: .17
.07	Oxide, 500 lb bbls	.19	: .20
.06%	Sulfuret golden 250 lb bbls	.15	: .16
.11%	Crimson 250 lb bbls	.25	: .27
5.00	Vermillon, 250 lb bbls	...	: .37 1/4
5.20	Tartaralacetate, 500 lb bbls	...	: .45
.16	Tribromide	...	: 1.05
.20	Antipyrine, USP, 100 lb cases	1.75	: 1.90
.37	Second hands	1.70	: 1.75
.37	Apomorphine Hydrochloride, 1/4 oz vials	...	: 22.10
.30	Archil, double 600 lb bbls	.13	: .14
.38	Triple, 600 lb bbls	.16	: .17
.12%	Cone, 600 lb bbls	.18	: .20
.04	Arecoline Hydrobromide, 1 oz vials	8.75	: 10.25
.80	Argols, red powd., 350 lb bbls	.06 1/4	: .07
2.90	Arsenic metal 220 lb kegs	.45	: .50
2.95	Red, 224 lb kegs cases	.11 1/4	: .12
2.75	White 220 lb cases to 550 lb	...	: .08 1/4
2.29	Bbls NY	.09 1/4	: .08 1/4
.45	Asbestine, c-l	16.60	: 18.00
.55	lc-l	20.00	: 22.00
2.00	Aspirin, see Acid acetylsalicylic	...	: 3.50
2.50	Atropine Alk., USP, 1 oz vial	6.50	: 7.50
	Sulfate, 5 oz cans	...	: 3.50
	Single ounce	...	: 3.65

## BARIUM BINOXIDE, see Barium dioxide

Bromide	...	: .44
Bromate	...	: .70
Carbonate, precip., 300 lb bbls	...	: 52.00
wks	...	: 54.00
Precip., 200 lb bgs., wks ton	50.00	: 52.00
Imports bags NY	47.00	: 49.00
Chlorate, 112 lb kegs NY	.12	: .12 1/4
Chloride, 800 lb bbls wks	65.00	: 67.00
200 lb bags., wks	63.00	: 65.00
Imports, large crystals, bbls	63.00	: 65.00
Spot	...	: 65.00
Dioxide, 88% 690 lb dss	.13	: .13 1/4
Import, 88-88% 400 lb dss	.13	: .13 1/4
Hydrate, 500 lb bbls	.04 1/4	: .05
Iodide, 5 lb box	...	: 5.15
Nitrate, 700 lb casks	...	: .10
Imports casks	...	: .07 1/4
Sulfocyanide 600 lb bbls	.27	: .28
Barytes, floated 350 lb bbls wks ton	23.00	: 24.00
Imported	29.00	: 33.00
Crude, c.l.f.	...	: 60.00
Bay Rum, Porto Rico, genuine	...	: .95
Medicated salicyl. acid or tartar	...	: .90
45 gal bbls	...	: .95
Medicated quinine sulf., 45 gal	...	: .90
bbls	...	: .95
Domestic synthetic, 50 gal	...	: .70
Bbls	...	: .75
St. Thomas	...	: .85
Medicated salicyl. acid or tartar	...	: .90
emetic 50 gal bbls gal	...	: .90
Benzaldehyde, tech., 945 lb dss	...	: .65
wks	...	: .70
USP, 40 lb cys	1.15	: 1.30
FFC, 40 lb cys	1.40	: 1.50
BENZENE	...	: .24
Comm. 90% 8,000 gal. tks wks gal	...	: .25
Non-Corrosive 90% tks wks gal	...	: .23
Commercially pure tks wks gal	...	: .24
Non-Corrosive pure tks wks gal	...	: .26
Nitration tks wks	...	: .26
Drum lots 5c gal higher	...	

Benzidine Base, dry 250 lb bbls	.72	: .74
Benzidine Sulfate, paste 350 lb	...	: .68
bbls	...	: .70
Benzol, see Benzene	...	
Benzonaphthol, 5 lb boxes	3.50	: 3.60
Benzoyl Chloride, 500 lb dss	...	: 1.00
Benzyl Acetate 100 lb cys	1.30	: 1.40
Benzoate, bulk	1.15	: 1.35
Medicinal FFC	1.75	: 2.00
Chloride 95% tech., 925 lb dss	...	: .25
100 lb cys	.25	: .30
Redistil. 160 lb cys	.30	: .35
Formate, 1 lb bot	3.25	: 3.50
Berberine Hydrochloride, 1 lb bot	...	: 22.50
Sulfate, acid or neut. 1 lb bot	...	: 22.00
BETA-NAPHTHOL, 350 lb bbls wks	...	: .24
Carlots wks	...	: .24
Sublimed	.55	: .60
Beta-Naphthylamine, tech., 200 lb	...	: .63
bbls	...	: .67
Sublimed, 200 lb bbls	...	: 1.35
Bichloride Mercury, see Mercury Bichloride	...	
BISMUTH metal, 100 lb cases	...	: 3.35
Second hands	2.95	: 3.00
Ammon. Citrate, USP, 5 lb cans	5.75	: 5.80
Betanaphtholate, 5 lb bxs.	3.30	: 3.35
Citrate, USP, 5 lb cans	3.00	: 3.05
Chloride	3.55	: 3.60
Hydroxide	3.40	: 3.45
Nitrate, 25 lb jars	2.05	: 2.10
Oxide anhyd	3.80	: 3.85
Oxychloride, 25 lb bxs	3.50	: 3.55
Phenolsulfonate, 5 lb cans	3.05	: 3.10
Salicylate, 25 lb bxs	1.95	: 2.00
Subcarbonate, USP, 25 lb bxs	3.45	: 3.50
X-Ray diag 1 lb bot	3.80	: 3.85
Subgallate, USP, 25 lb bxs	2.80	: 2.85
Subiodide, 5 lb lots	4.65	: 4.70
Subnitrate, USP, 25 lb jars	2.85	: 2.90
Second Hands	2.75	: 2.80
Cones, 1 lb bot	3.85	: 3.90
Subsalicylate, USP, 25 lb bxs	...	: 3.55
Tannate	2.60	: 2.65

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## Chemicals

<b>BISMUTH (Continued)</b>			<b>Butter of Antimony, see Antimony Chloride</b>			<b>CAMPOR (Cont'd)</b>		
above on basis 25 lb lots			Butyl Acetate, tank cars, wks gal	1.55		2 1/2 lb slabs, 100 lb cs	.85 1/2	
Smaller lots at an advance			Drums c-l wks gal	1.57		1 lb cakes, 100 lb cs	.85 1/2	
Tri-Bromophenol	4.00		Drums 1c-l wks	1.60		1 oz. tab., 1 lb ctms.	.90	
Blanc Fixe, dry 400 lb bbls wks ton	80.00	90.00	Aldehyde, 50 gal drums wks	.70	.75	100 lb cs	.90	
Imported, bbls	70.00	72.00	Propionate drums	2.40	2.50	Jap., ref., 2 1/2 lb slabs, 100 lb		
Paste, 650 lb bbls c-l	55.00	65.00	Tartrate, drums	.57	.60	cs	.80	
<b>BLEACHING POWDER, 700 lb drums</b>			CADMIUM, metal 100 lb bxs	.70	.75	Powd.	.77	
c-l wks contract	100 lb	2.00	Bromide, 50 lb cases jars wks	1.15	1.20	1 oz. tab., 100 lb	.84	
1c-l wks contract	100 lb	2.15	Iodide, 10 lb bot		4.45	1/2 oz. tab., 100 lb cs, 1 lb	.85	
c-l spot wks	100 lb	2.10	Sulfide cs	1.20	1.25	tins	.85	
1c-l spot wks	100 lb	2.25	CAFFEINE ALK., USP, 5 lb cans	3.75	3.85	Crude, 100 lb cs	.54	.56
1c-l spot ex-warehouse, 100 lb	2.35	2.50	Second Hands	3.40	3.50	Camphor, liniment, bbls	2.25	2.30
800 lb drums c-l wks contract	100 lb	2.25	Citrated, 25 lb cans	2.70	2.85	Camphor Monobrom, 100 lb cs	1.85	1.90
c-l spot wks	100 lb	2.35	Hydrobromide, 1 lb bot	4.65	4.90	Caramel, 50 gal bbls	.65	.70
1c-l wks contract	100 lb	2.40	Hydrochloride, 1 lb bot	6.05	6.55	Carbazol, 250 lb bbls		.15
1c-l spot wks	100 lb	2.50	Sulfate, 1 lb bot	5.40	5.90	Carbon Bisulfide, 500 lb drs-c-l NY	.06	.06 1/2
Blood dried f.o.b. NY	unit	4.00	CALCIUM, Acetate, 150 lb bgs c-l			c-l drums, NY		.05 1/2
Chicago	unit	3.75	100 lb		3.25	Carbon Black, c-l wks bgs		.08
S Am. Shipment	unit	3.75	Arsenate, 100 lb bbls c-l wks	.06	.06 1/2	100-300 lb cases 1c-l NY		.12
Blues, bronze Chinese, Millor			Bromate		1.50	Decolorizing 40 lb bgs c-l	.08	.15
Prussian Soluble	.31	.32	Bromide, 100 lb cs		.60	90 lb drums c-l	.08 1/2	.15 1/2
Blue Vitriol, see Copper Sulfate			Carbide 220 lb dr. c-l wks	.05 1/2	.06 1/2	Carbon Dioxide, Liquid, 20-25 cy		.06
Bone 3 & 50 gr-steam Chgo. ton		30.00	Carbonate tech., 100 lb bgs		1.00	Tetrachloride, 1400 lb drs del	.06 1/2	.07
Imp.		35.00	c-l		1.10	Drums c-l delivered		.06 1/2
Raw, NY		34.00	USP, precip., 175 lb bbls		.06 1/2	Carmine, No. 40, 5 lb boxes	5.00	5.25
Bone Ash, 100 lb bgs	.06	.07	Chloride, solid, 650 lb drs c-l		21.00	Casein, edib., 100 lb keg	.45	.65
Black, 200 lb bbls		.08 1/2	f.o.b. wks		19.50	Tech., 200 lb bbls	.13	.13 1/2
Borax, crys., 400 lb bbls	.05 1/2	.05 1/2	Imp. Shipment			100 mesh	.14 1/2	.17
Powdered, 300 lb bbls	.05	.05 1/2	Flake, 375 lb drs, c-l drs. f.o.b.		27.00	Castor Oil, USP, 50 gal bbls	.17	.17 1/2
Kegs, 100-150 lb	.05 1/2	.06	wks		18	Cases, 80 lb 2 tins	.18	.18 1/2
Bordeaux Mixture, 16% pd	.11 1/2	.13	Anhyd., 350 lb drs f.o.b. NY		20	Tech., see Fixed Oils		
Paste, bbls	.08	.10	Glycerophosphate, 250 lb bbls		1.40	Caustic Potash, see potash, caustic		
<b>Boraxol, See Aromatic Chemicals</b>			Hypophosphite, USP, 25 lb cans	.60	.65	Soda, see soda, caustic		
British Gum com c-l	100 lb	4.27	Iodide, 5 lb bot		4.35	Cellulose Acetate 100 lb cases	1.55	1.65
1c-l	100 lb	4.37	Lactate, tech., 500 lb bbls		.35	ton lots		1.50
Bromide, see potash, bromide etc.			USP		.60	Cerium Oxalate, USP, 100 lb kegs	.33	.35
Bromine, bot. in 50 lb cs. wks	.45	.47	Nitrate, 220 lb bbls c-l NY		52.00	Chalk, drop 175 lb bbls	.03	.03 1/2
Bromobenzene, 600 lb drums		.50	Phosphate, tech., 450 lb bbls	.09	.10	Precip., light 250 lb bbls csks		.04 1/2
Bromoform, USP, 5 lb bot cs	1.65	1.85	Phosphate, mono, 325 lb bbls	.07	.08	Precip. heavy 500 lb csks	.02 1/2	.03 1/2
Brucin Alkaloid, 100 ozs		.10	Stearate bbls	.23	.25	Bulk	5.00	
Sulfate, 100 ozs		.10	Sulfocarbonate, 100 lb kegs	.55	.57	Precip. English, 7 lb bags		.08 1/2
Second hands		.08 1/2	CAMPOR, Amer., ref., 250 lb			Precip. heavy 500 lb csks	.03 1/2	.03 1/2
			bbls		.84			



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## PRICES CURRENT SECTION

## Chemicals

Cutch Bangoon 100 lb bales ..b	.22	Divl Divl Extract .....	.04	nom.	Ethylene Glycol .....	.30	.40
Tablets, 120 lb boxes ..b	.13	Pods, bags ship .....	40.00	42.00	Tri Chloride .....	.10	.10%
Borneo solid, 100 lb bales ..b	.05 1/4	Dover's Powder USP., 5 lb tins lb	2.50	2.50	Edgylidenaniline .....	.62	.85
Cyanamide, bulk c-l wks Amm unit	1.90	Duboisine Sulfate, 1 oz vial ..	30.07	30.07	Eucalyptol, 25 lb cans ..b	..	.90
Imp .....	2.00	EARTH, Diatomaceous, see Kieselsuhr	..	..	Feldspar, bulk .....	20.00	25.00
Cyclohexanol, see Hexalene	..	Egg Yolk, 200 lb ca .....	.53	.55	FERRIC CHLORIDE, tech., crys.	..	..
Cymene, See Para-Cymene	..	Emetine alk., 15 gr., via .....	1.65	1.65	475 lb bbls .....	.05	.06
Dextrin, white corn 140 lb bgs	..	Hydchlide, USP., 1 oz vial ..	25.50	25.50	Imported .....	.04%	.05
c-l .....	3.97	15 gr. vials .....	..	.82	C.P. crys. 100 lb kegs .....	..	.10
bags c-l .....	4.07	EPSOM SALT, tech., 300 lb bbls	..	..	Imported .....	.06	.06 1/4
Canary .....	4.02	NY .....	2.15	2.15	Neut. Sol'n., 42° 140 lb chys lb	.06 1/4	.07
bags lc-l .....	4.12	Bbls c-l NY .....	2.00	2.00	46° 140 chys .....	.05	.05 1/4
Potato, white, 220 lb bags lc-l lb	..	100 lb c-l NY .....	1.50	1.75	USP., Sol'n., 125 lb chys ..b	.06 1/4	.07
Yellow 220 lb bags .....	.08 1/4	Imp., 220 lb bgs c-l .....	..	2.50	Bromide, solution .....	..	.55
Tapioea, 200 lb bags lc-l lb	07%	USP, 200 lb bbls 10 bbls 100 lb	..	2.50	Ferrous Bromide, sol'n., .....	..	.55
DIAMINOPHENOL, 100 lb kegs lb	3.80	See hands .....	1.97 1/4	2.00	Chloride, crys., tech., 475 lb bbls lb	.05	.06
Diamyl Phthalate, drums wks ..gal	3.70	Carlots, bbls kegs 100 lb	2.00	2.25	Sulfide, 1000 lb bbls .....	2.50	3.00
Dianisidine, 100 lb kegs .....	3.25	Imported, 400 lb bbls 100 lb	1.85	1.90	Fish Scrap, dried wks .....	nom.	nom.
Dibutyl Phthalate, wks .....	3.15	Ergotin, Bonjean, 1 lb jars .....	6.00	6.30	Acid Bulk 7 & 3 1/4, Dellv.	4.75	.10
Dibutyl Tartrate, 50 gal drums lb	.55	Eserine alk., 1 oz vial .....	30.07	30.07	Norfolk & Balt basts .....	..	..
Dichlorobenzene, 1000 lb drums lb	.06	Salicylate, USP., 1 oz vial ..	24.00	24.50	Fiske-White, see lead white	..	..
Dichloromethane, Drums wks .....	.23	Sulfate, USP, VIII, 1 oz vial oz	..	30.00	Flavine Lemon 55 lb ca .....	.90	.95
Diethylamine, 400 lb drums .....	2.15	ETHER, USP., 55 lb drums .....	..	.16	Orange 70 lb ca .....	.85	.90
Diethylaniline, 850 lb drums .....	.55	Anesthesia, 55 lb drums .....	..	.19	Fluorspar, 95% 220 lb bags ex-	..	25.00
Diethyl Carbonate, drums .....	1.85	USP, 1880 55 lb drums .....	..	.45	dock .....	..	35.50
Diethyl Phthalate 25 lb cans .....	.40	Washed, 55 lb drums .....	..	.37	96% bgs .....	..	35.00
1000 lbs .....	.32	Motor 1 lb bottles .....	.30	.32	98% bgs .....	..	35.00
Diethyl Sulfate tech., 50 gal drs. lb	.20	Ether, Nitrous, 1 lb bot .....	.90	.95	FORMALDEHYDE, USP., 400 lb bbls.	..	..
C.P. drums .....	.40	Ethyl Acetate, 99% 50 gal drs gal	..	1.05	c-l wks .....	.09	.09 1/4
Digitatin, Pure, 1 oz vial .....	9.75	85% Ester, 10 gal drs gal .....	..	.83	Carboys 100 lb lc-l wks .....	..	.10%
high test .....	15.00	Carlots, drums .....	..	.80	Bbls 400 lb lc-l wks .....	.09 1/4	.09 1/4
Dimethylamine, 400 lb drs .....	2.60	Tank cars .....	..	.78	Formaldehyde Aniline 100 lb drums lb	.39	.42
Dimethylaniline 840 lb drs wks lb	.30	Aceto Acetate drums wks .....	..	1.00	Fossil Flour .....	.02 1/2	.04
Dimethylsulfate, 100 lb drs .....	.45	Benzyl Aniline, 300 lb drs .....	1.05	1.10	Formaniline .....	.38	.40
Dinitrobenzene, 400 lb bbls .....	.15	Bromide, 115 lb drs .....	..	.50	Imported 230 lb bags NY .....	35.00	40.00
Dinitrochlorobenzene, 400 lb bbls lb	.15 1/4	Butyrate cans .....	1.10	1.20	Furfural, 500 lb drums .....	..	.20
Dinitrochlorine, 300 lb bbls .....	.18	Chloride, 200 lb drs., 15 lb cpl. lb	.26	.35	Carlots .....	..	.17 1/4
Dinitronaphthalene, 350 lb bbls lb	.32	Lactate drums wks .....	4.00	4.15	Fusel Oil, 10% Impurities drs gal	1.40	1.50
Dinitrophenol, 350 lb bbls .....	.31	Methyl Ketone, 50 gal drs .....	.30	nom.	Refined .....	3.25	3.50
Dinitrotoluene, 300 lb bbls .....	.15	Morphine, see Morphine, Ethyl	..	..	Fustic, solid 50 lb boxes .....	.20	.25
Dionin, see Morphine, Ethyl	..	Oxalate drums wks .....	.45	.55	Crystals, 100 lb boxes .....	.20	.22
Diorthotolylguanidine, 275 lb	..	Ethylene Bromide, 600 lb drs .....	..	.70	Liquid, 51°, 600 lb bbls .....	.09	.10
bbls, wks .....	1.05	Chlorhydrin, anhyd. 50 gal drs lb	.75	.85	Fustic, sticks .....	30.00	32.00
Diphenylamine .....	.48	40% Solution, 50 gal bbls lb	.25	.30	Chine .....	.04	.05
Diphenylguanidine, 5,000 lbs.	..	Dichloride, 50 gal drs .....	.16	..	G SALT, paste 360 lb bbls basis	..	..
100 lbs .....	.85	Tank cars .....	..	.10	Gall extract .....	.20	.21

## B E E S W A X

Ceresin, All Grades and Colors  
Refined Yellow Beeswax

Pure Crude Beeswax  
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Snow Flake White Bleached Beeswax  
Carnauba, Natural, Bleached and Powdered  
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## Chemicals

.40	Gambler 25% liq., 450 lb bbls	.12	.14	Halazone 5 lb bot	.275	3.25	Iodine Tinct., USP., 50 gal bbl gal	4.85
.10%	Common 200 lb cases	.19%	.20	HEMATINE, Paste, 500 lb bbls	.09	.12	Carboys	4.90
.65	Singapore cubes, 150 lb bags	.23	.23	Crystals, 400 lb bbls	.12	.20	Second Hands	4.65
.90	Gelatin, USP., silver 1 lb 100 lb cs	.60	.65	Hemlock, 25% 600 lb bbls wks	.03%	.03%	Crystals, 10 lb bot	6.05
.10	Gold Label, 100 cases	1.00	1.00	Hemlock, bark	16.00		Iodides, see Potass. Iodide, etc.	
.06	Technical, 100 lb cs	.45	.50	Hexachlorethane Drums wks	.45		Iodoform, powd., 10 lb bot	6.00
.05	Pure Food, 50 lb bbls	.55	.60	Hexalene, 50 gal drs. wks	.55	.57	Iridium, metal 10 oz. lots	260.00
.18	Sheets	.53	.55	Hexamethylenetetramine, USP., 100 lb drums	.60	.62	Iron, metal by hydrogen 1 lb bot	.70
.08%	GLAUBER'S SALT, tech., 200 lb bags			Imported	.58	.60	IRON & AMM. CITRATE, USP., 50 lb cans	.69
.08%	c-1 wks	1.05	1.10	Rubber Makers, Impalp. Pd.	.80	.82%	Bromide	1.10
.07	350 lb bbls, c-1 wks	1.20	1.30	dr			Cacodylate, 100 lb bot	8.00
.75	Bbs., 1c-1 wks	1.25	1.35	Hi-Flash Naphtha 8,000 gal tks wks			Citrate, USP., VIII 25 lb cans	.94
.55	Imported, bags NY	.75	.80	Drums wks	.35		Chloride, see Ferric or Ferrous	
.06	USP., 300 lb bbls, dom. sp. 100 lb	1.25	1.25	Homatropine Hydrobrom USP., 1 oz	14.50		Hypophosphite, 5 lb cans	1.55
.00	USP., 300 lb bbls, dom. sp. 100 lb	1.75	1.75	Five ozs., 1 oz vials	13.50		Syrup, USP., 5 lb., bot	.35
.00	Calculated, see Sodium Sulfate	1.40	1.40	Hydrastine, Alk., USP., 1 oz vials	20.50	21.00	Iodide, 1 lb bot	.428
.10	Glucose, (Grape Sugar) dry, 100			Hydraline, USP., 1 oz vial	20.50	21.00	Syrup, USP., 5 lb bot	.35
.95	70° bags c-1 NY	3.14	3.24	Sulfate 1 oz vial	22.50	23.00	Nitrate, kegs	.09
.90	80° bags c-1 NY	3.24	3.34	Hydrastinine Hydrochloride, USP., 15 gr	40.00		Com'l. bbls	2.50
.00	Tanners' Special 100 lb bags 100 lb	3.14	3.14	vials			Oxalate scales, 25 lb cans	.88
.00	GLUE, pure white bbls	.22	.26	HYDROGEN PEROXIDE, 25 vol. 400 lb			Oxide, red Spanish	.02%
.50	Medium white, bbls	.20	.24	bbls	.07	.07%	English	.10
.00	French bbls	.18	.25	10 vol	.04%	.05	Perchloride see Ferric Chloride	
.00	High Grade, bbls	.35	.40	15 vol	.06	.06%	& Ammon. Oxalate, 25 lb bbs	.37
.09%	Bone, regular, bbls	.10	.12	17 vol	.07	.07%	& Potassium Oxalate, 250 lb	.40
.10%	Fish, bbls	1.50	1.75	100 vol. 140 lb cys	.32	.34	bbls	.40
.09%	Hide bbls	.14	.24	USP., Sol'n. 375 lb bbls	.03%	.04	& Sodium Oxalate, 24 lb bbs	.32
.42	GLYCERIN, C. F. 550 lb drums	.24	.25	100 vol 145 cys		.46	Phosphate, USP., 50 lb	.69
.04	Cans, 50 lb	.25%	.25%	USP., bot, 4 oz cases	7.50	7.75	Pyrophosphate, USP., 50 lb	.74
.04	Dynamite, 100 lb dr	.21	.22	Bot. 8 oz cases	11.00	11.25	JALAP RESIN, lump, 5 lb tins	4.00
.00	Saponification tanks	.15	.15%	Bot. 16 oz cases	18.00	18.25	Powd., tins	4.65
.20	Soap, Lye tanks	.13%	.14	Hydroquinone, 100 lb kegs	1.25	1.50	Powd., tins	4.65
.17%	Oea Powder, see chrysarobin			Hyoscine Hydrobrom. USP., 1 oz			KIESELGUHR, 95 lb bags NY ton	60.00
.50	Graphite, crude, 220 lb bags	15.00	35.00	vial	13.57		LANOLIN See Adeps Lanae	70.00
.23	Flake 500 lb bbls	.05	.09	Hyoscyamine Alk., Cryst., 1 oz vial	25.07		Larch, 25% 600 lb bbls wks	.03%
.22	Ground Imp., bbls	.04	.05	Alkaloid, Amorphous, 1 oz vial	25.07		Powd., 100 lb bags wks	.08
.10	Guaiacol Liquid USP., 100 lb cys	2.00	2.25	Hydrobromide, USP., 1 oz vial	25.07		LEAD metal c-1 NY	8.20
.05	Crystals	2.25	2.50	Sulfate, 1 oz vial	25.07		Acetate, white crystals, 500 lb	
.21	Benzonate, 1 lb bot		13.00	Hypernic, 51°, 600 lb bbls	.12	.15	bbls, wks	.14%
.00	Carbonate, 5 lb boxes	2.50	2.75	Indigo Madras bbls	1.28	1.30	100 to 250 lb kegs, wks	.15%
.00	Second Hands	1.90	2.00	20% paste drums	.14	.15	White, broken, bbls, wks. 100 lb	15.00
.21	HAARLEM OIL, Dom., 6 gr. cs. gr.	3.20	3.30	IODINE, crude 200 lb kegs	4.20	4.25	White, gran bbls, wks. 100 lb	15.50
	Imported 5 gr cases	3.65	3.65	Resublimed, 10 lb jars	4.65	4.70	White, powd., bbls, wks 100 lb	15.25
							Brown, broken bbls wks	.13%



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# Chemicals

<b>LEAD ACETATE (Cont'd)</b>			<b>LITHOPONE (Continued)</b>			<b>MANGANESE DIOXIDE (con't.)</b>		
USP., 100 lb kegs .....	.10	: .19%	Bags c-1 wks .....	.05%	: .05%	85-90% 900 lb bbls NY ton	85.00	: 90.00
Arsenate, 100 lb kegs .....	.15	: .15	Imported, 400 lb bbls .....	.05%	: .05%	Hydrated, precip., 100 lb kegs .....	.15	: .23
Bbls., c-1 wks .....	.14	: .14	Litmus Cubes .....	.90	: 1.00	Glycerophosphate, 5 lb tins .....	2.90	: 3.00
Bbls., lc-1 wks .....	.14	: .14%	Second hands .....	.75	: .75	Hypophos USP VIII 5 lb cans .....	1.35	: 1.40
Paste, 100 & 600 lb bbls .....	.08	: .09	Logwood 51° 600 lb bbls .....	.08%	: .08%	Iodide, 1 lb bot .....	6.40	: 6.65
Iodide, USP, VIII 5 lb bot .....	3.20	: 3.40	Lower grades .....	.07%	: .08	Ore., bulk, c.l.f. NY .....	.43	: .44
Nitrate, 500 lb bbls. wks .....	.14	: .14	Solid, 50 lb boxes .....	.12	: .15	Sulfate, 550 lb drums NY .....	.07	: .07%
Oxide, Litharge, 500 lb bbls .....	.11%	: .11%	LOGWOOD, sticks .....	26.00	: 27.00	Mangrove, 55% 400 lb bbls .....	.03%	: nom.
100 kegs wks .....	.14%	: .15%	Chips, 150 lb bags .....	.03	: .03%	Mangrove, bark, African .....	44.00	: 44.00
Oxide, red, 500 lb bbls., wks .....	.12%	: .12%	Luminal, see Phenylethylmalonylurea			Marble Flour, bulk .....	10.00	: 12.00
100 lb kegs wks .....	.12%	: .12%	Madder, Dutch .....	.30	: .30	See also Calcium Carbonate		
Gleate, bbls .....	.17%	: .18	MAGNESITE calcined, 500 bbls ton	14.25	: 17.50	MENTHOL, USP, 60 lb cases .....	5.70	: 5.80
Peroxide, 100 lb drs .....	.25	: .30	Magnesium, mtl. sticks 100 lb cs			Less case, 5 lb tins .....	5.85	: 5.85
White, basic carb., 500 lb bbls			f.o.b. wks .....	.85	: .85	Synthetic .....	4.75	: 5.00
wks .....	.10%	: .10%	Bromate .....	1.50	: 1.50	MERCURY metal 75 lb flask flask	89.50	: 90.00
100 lb kegs wks .....	.14%	: .15%	Carb. tech. 70 lb bags NY .....	.06%	: .08%	Less flasks 5 lb jugs .....	1.38	: 1.38
White sulfate 500 lb bbls. wks .....	.10	: .10	75 lb bbls NY .....	.08	: .08%	Bichloride, cryst., 25 lb bxs .....	1.31	: 1.31
Licorice Ext., Mass cases .....	.21	: .22	USP., 100 lb bbls .....	.09%	: .10	Gran., powd., 200 lb kegs .....	1.16	: 1.16
Compound powder, bbls .....	.11	: .13	English, oz. blocks .....	.17	: .19	Bimifate, 25 lb boxes .....	1.14	: 1.14
Powdered .....	.35	: .36	Chloride, fused 575 lb drs. c-1			Blue Mass, 25 lb boxes .....	.74	: .74
Sticks, 1 oz 100 lb cases .....	.40	: .45	wks .....	34.00	: 34.00	Powdered, 25 lb boxes .....	.78	: .78
<b>LIME, (Salts, see Calcium Salts)</b>			Flake, 350 lb drs. wh.-l ton	36.00	: 36.00	Blue Ointment, USP., 25 lb cans		
Ground Stone, bags .....	4.50	: 4.50	Imp., Flake Shipt. .....	30.50	: 31.00	50% .....	.99	: .99
Live, bulk .....	8.50	: 8.50	Imp., fused 900 lb bbls NY ton	28.00	: 30.00	USP, dilute 25 lb cans 30% .....	.74	: .74
Live, 325 lb bbls. ton lots			Floesilicate, crystals 400 lb bbls			33% Mercury .....	.80	: .80
wks .....	1.05	: 1.05	wks .....	.10%	: .11	Calomel, 50 lb bxs .....	1.45	: 1.45
Single bbl., wks .....	1.03	: 1.03	30% sol'n. 500 lb bbls wks .....	.07	: .07%	33% Mercury .....	.80	: .80
wks .....	.85	: .85	Sol'n. bbls., c-1 wks .....	.00	: .00	Iodide, green 25 lb jars .....	4.10	: 4.10
Single bbl. wks .....	.01	: .01	Oxide, USP., light, 100 lb bbls .....	3.20	: 3.25	Red, USP., 25 lb jars .....	4.20	: 4.20
Oyster Shell, 150 lb bbl sing. .....	.03%	: .03%	Hypophosphite, 5 lb cans .....	1.05	: 1.05	Yellow, USP, VIII 25 lb jars .....	4.10	: 4.10
Sulfur, dry 200 lb drs NY .....	.08%	: .08%	Oxide, USP., heavy, 250 lb bbls .....	.50	: .50	Oxide, Yellow USP., 25 lb bxs .....	2.00	: 2.04
Drw., c-1 NY .....	.08	: .08	Peroxide, 100 lb cases .....	1.10	: 1.10	Tech., .....	1.43	: 1.43
33° Sol'n., 50 lb bbls NY gal	.12	: .12%	Perborate, 1 lb tins .....	2.62	: 2.62	Red Precip., USP, 25 lb bxs .....	1.56	: 1.56
Linalool, 5 lb bot .....	6.25	: 6.75	Sulleyate, 100 lb kegs .....	.75	: .80	Powder, USP., 25 lb bxs .....	1.66	: 1.66
Litharge see lead oxide			Stearate bbls .....	.23	: .25	White Precip., USP, 25 lb bxs .....	1.67	: 1.67
Lithium Carb., USP., 100 lb kegs .....	1.45	: 1.50	Sulfate see Epsom Salts			Powdered, USP., 25 lb bxs .....	1.72	: 1.72
Bromide, 100 lb cs .....	1.80	: 1.80	Manganese Borate, 30% 200 lb			With chalk, USP, 25 lb bxs .....	.74	: .74
Citrate USP, 100 lb kegs .....	1.70	: 1.75	bbls .....	.24	: .24	Meta-Nitrosidine .....	.72	: .74
Iodide 5 lb bot .....	5.40	: 5.40	100 lb kegs .....	.25	: .25	Meta-Nitro-para-Toluidine, 200 lb		
Lithopone, 400 lb bbls., lc-1 wks .....	.06%	: .06%	Chloride, 600 lb csks .....	.06	: .06%	bbls .....	1.80	: 1.80
Bbls., c-1 wks .....	.05%	: .05%	Dioxide, 80-84% 900 lb bbls					
			NY .....	80.00	: 85.00			

**R. W. Greeff & Co.**

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78 Front Street New York City

Exclusive Distributors

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SODIUM NITRATE  
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# Chemicals

90.00  
23  
3.00  
1.40  
6.65  
.44  
.07%  
nom.  
44.00  
12.00  
  
5.80  
5.85  
5.00  
90.00  
1.38  
1.31  
1.10  
1.14  
.74  
.70  
  
.99  
.74  
.80  
1.45  
4.10  
4.20  
4.10  
2.04  
1.43  
1.56  
1.06  
1.07  
1.73  
.74  
.74  
  
1.80

Meta-Phenylenediamine, 300 lb		
bbls	.90	.94
Meta-Toluylenediamine, 300 lb		
bbls	.72	.74
Tanks		.70
METHANOL (Wood Alcohol)		
95% tanks	.55	
Drums, e-l	.58	
Drums, l-e-l	.60	.52
Drums, e-l	.57	
Drums, l-e-l	.60	
Pure, Acetate free, tks	.64	
Drums, e-l	.65	
Drums, l-e-l	.68	
Bbls, incl., 6c higher	.70	
U. S. denat. grd., tanks	.65	
Drums, e-l	.68	
Drums, l-e-l	.70	
Methyl Acetate drums	.95	
Methyl Acetone, 100 gal drums gal	.73	.76
Tanks cars	.68	
Bromide	1.00	
Chloride, 90 lb cyl	.60	.85
Sulphate, 50 lb cans gal	.43	
500 lb drums	.41	
Methylene Blue, tech., 100 lb keg	1.30	1.50
USP., medicinal 5 lb cans	1.75	1.90
Miehler's Ketone, 225 lb bbls	3.00	3.25
Milk, powd., 150 lb bbls	.14	.15
Milk Sugar, see sugar of milk		
Mineral Oil, see oil mineral		
Mineral Rubber	35.00	75.00
Mining Salts Drums wks		.33
Monobromobenzene See Bromobenzene		
Monacetone, See acetone		
Monochlorobenzene, see chlorobenzene		
Monomethylamine, 900 lb drs		1.05
Monomethyl paraminophenol sulfate		
100 lb drs	3.95	4.20
MORPHINE ALK., USP., 5 oz tins, ozs	9.20	9.30
Acetate, 5 oz tins oz lots		7.35
Hydrobromide, 5 oz tins 10 oz		
lots		7.35

MORPHINE (Con't)		
Hydride 5 oz tins 10 oz		
lots		7.35
Ethyl Hydride, 5 oz tins 10		
oz lots		8.85
Sulfate, 5 oz tins 10 oz lots		7.35
Small Sizes: 1/4 oz. vials, 50c extra;		
1/2 25c extra; single oz. vial, 7c		
extra, over price for 5 oz tins. 25		
oz. lots in 5 oz tins, 10c oz. lower		
than above schedule. Less than 10		
oz. lots 15c oz. higher than above		
schedule.		
Musk Ambrette, 1 lb cans	10.50	11.75
Myrobalans, 25% liquid bbls	.04	.04 1/2
50% solid, 50 lb boxes	.08	.08 1/2
Myrobalans, bags J1	41.00	42.00
R2		
New crop		29.50
J2		
New crop	30.00	32.00
NAPHTHA, See Solvent Naphtha		
NAPHTHALENE, Flake, 175 lb bbls		
wks	.05 1/4	.07
Bbls, second hands NY		.05%
Balls, 250 lb bbls wks	.07	.08
Bbls, second hands NY		.07
Crushed, chipped bgs., wks		.05
Crude, imp., bags	.01%	.02%
NICKEL		
Ingot, 100 lb kegs		.34
Chloride, bbls kegs	.21	.24
Oxide, 100 lb kegs NY	.38	.40
Salt single 400 lb bbls NY	.08	.08 1/2
Double 400 lb bbls NY	.08 1/2	.09
Sulfate, See Nickel Salt, single		
Nickel Metal, electrolytic .100 lb		34.00
Nicotine, Free 40% 8 lb tins, oz	1.10	1.20
NITRATE SODA, spot, See Sodium Nitrate		
Nitre Cake, bulk wks	4.50	5.50
500 lb bbls	13.00	14.00

Nitrobenzene, crude, 1000 lb drs		
wks	.09	.10
Redistilled, 1,000 lb drs wks	.09 1/2	.10
Nitrogenous Material bulk, unit		3.60
Nitronaphthalene, 550 lb bbls		.25
Nitrotoluene, mixed 1000 lb drs		
wks	.14	.15
Nutgalls, see Crude Drugs		
Oak bark, whole	20.00	23.00
Ground	45.00	50.00
Oak, tanks, wks		.03 1/2
23-25% liq., 600 lb bbls wks	.04	.04 1/2
Solid, powd.	.07 1/2	.08
Ochre		.03 1/2
Oil Fuel, see Fuel Oil		
OIL MINERAL, wh, 50 gal bbls gal	.80	.90
Russian	.95	1.00
Oil Mirbane, see nitrobenzene		
Oxym, see crude drugs		
Orange Mineral, 1100 lb casks NY		.14 1/2
700 lb bbls NY		.14%
Ortho-Aminophenol, 50 lb kegs	2.15	2.25
Ortho-Anisidine, 100 lb drs	2.50	2.75
Ortho-Dichlorobenzene, see Dichlorobenzene		
Ortho-Nitrochlorobenzene, 1200 lb		
drs. wks	.32	.35
Ortho-Nitrophenol, 350 lb	.85	.90
Ortho-Nitrotoluene, 1000 lb drs.		
wks	.13	.15
Ortho-Toluidine 350 lb bbls	.25	.27
Orange 51° liquid	.07	.07 1/2
Powd., 100 lb bags	.14 1/2	.15
Crystals	.19	.17
Oxgall, USP., 5 lb bot	1.75	2.50
Purified, 5 lb bot	2.00	2.50
Crude, 5 lb bot	1.00	1.25
PALLADIUM, metal 10 oz lots	80.00	81.00
Pancreatin, USP., 5 lb bot	1.75	2.50
Papain, 10 lb bot., USP., Powd	4.75	5.50
Crude, 150 lb casks		
Paraffin, ref'd. 200 lb wks		
118-120 Deg. M.P.	.08	.09
128-127 Deg. M.P.	.06 1/2	.06%



## VICTOR CHEMICAL WORKS

### CHICAGO, ILL.

# EPSOM SALTS

Sodium Pyro Phosphate  
Phosphoric Acid (Ortho)  
Trisodium Phosphate  
Mono Sodium Phosphate  
Ammonium Phosphate  
(Mono & Dibasic)  
Oxalic Acid  
Sodium Oxalate  
Sodium Acid Pyro Phosphate  
Sodium Formate  
Tricalcium Phosphate  
Sodium Ammonium Phosphate  
Calcium Acid Phosphate

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## Chemicals

<b>PARAFFIN (Con't)</b>			<b>PARIS GREEN (Con't)</b>			<b>PILOCARINE HYDCHLIDE, USP., 25oz</b>		
128-132 Deg., M.P. ....	D	.07½ : .07¾	Packages, 5 and 2 lbs. ....	D	.23 : .24	lots, 1 oz vials ....	oz	4.00 : 4.50
133-137 Deg., M.P. ....	D	.08 : .08½	Packages, 1 lb., ½ lb., ¼ lb. ....	D	.25 : .26	Nitrate, 25 oz. ....	oz	4.00
138-140 Deg., M.P. ....	D	.08¾ : .10	Paris White, see Whitening French			Single oz. ....	oz	4.50
Para-Aminoacetanilid, 100 lb			Pepsin, USP., 5 lb bot. 13000 lb	D	1.90 : 2.50	Alkaloid, 15 gr. vials ....	ea	.85
kegs	D	1.00 : 1.05	1-6000 bottles	D	3.85 : 5.00	Pine Oil, stm., dist., bbls	gal	.86
Para-Aminophenol, 100 lb kegs	D	1.10 : 1.16	1-10,000 bottles	D	6.30 : 8.35	Destructive dist.	D	.63 : .64
Hydrochloride, 100 lb kegs	D	1.25 : 1.30	Peptone, powd., 5 lb	D	1.25	Piperazine Hydrate, 1 lb bot	D	15.00
Para-Dichlorobenzene, 150 lb bbls.			PETROLATUM, green 300 lb bbls	D	.02½ : .03	Piperidine, 25 oz	oz	1.10 : 1.25
wks	D	.17 : .20	Dark Amber, 300 lb bbls	D	.04½	Pitch, Coal-Tar, wks	ton	24.00 : 26.00
25-50 lb kegs	D	.18 : .22	Light Amber, 300 lb bbls	D	.04½	Prime	bbl	8.00 : 10.60
Paraldehyde, USP., 5 lb bot	gal	.60 : .75	Cream White, USP., 300 lb bbls	D	.07 : .07½	Plaster Paris, tech., 250 lb bbls	bbl	3.30
Tech	D	.30 : .35	Lily White, USP., 300 lb bbls	D	.07½	True Dental, 300 bbls	bbl	4.50
Para-Cymene, Fe'd., 110 gal drs	gal	2.25 : 2.50	Snow White, USP., 300 lb bbls	D	.12½	Platinum, metal soft 10 oz lots	oz	120.00
Paraformaldehyde, USP., 100 lb cs	D	.42½ : .45	Phenol, see also acid carbolic			Podophyllin, 5 lb bot	D	4.25 : 4.50
Para-Nitroacetanilid, 500 lb			Makers 950 lb drums spot	D	.21 : .22	Second Hands	D	4.20 : 4.30
bbls	D	.50 : .55	Small drums 240-100 lb	D	.22 : .24	<b>POTASH SALTS, rough</b>		
<b>PARA-NITROANILINE, 300 lb bbls</b>			Open market drums	D	.21	Pot. Muriate basis 80% bgs ton	ton	34.90
wks single bbls	D	4.8	240 lb des. drs., wks	D	.27	Pot. Sulfate, basis, 90% bgs, ton	ton	45.85
Para-Nitrochlorobenzene, 1200 lb drs			Natural, 240 lb des drs. wks	D	1.30 : 1.40	Pot. & Mag., Sulfate, basis 48%	ton	26.36
wks	D	.33	5 lb cans, 100 lb lots	D	1.40 : 1.50	bgs	ton	18.00
Para-Nitro-ortho-Toluidine, 300 lb			Phenyl-Alpha-Naphthylamine 100 lb	D	1.23 : 1.29	Manure Salts basis 30% bulk ton	ton	11.35
bbls	D	2.75 : 2.85	kegs	D	5.50	Manure Salts, basis 20% bulk ton	ton	8.50
Para-Nitrophenol, 185 lb bbls	D	.50 : .55	Phenylethylmalonylurea, oz. pkg., oz	D	1.23 : 1.29	Kainit, basis, 12.4% bulk ton	ton	8.50
Para-Nitrosodimethylaniline, 120 lb			Phosgene, 100 lb cylinders	D	.62½ : .65	Bulk in bags, \$2.00 extra		
bbls	D	.92 : .94	Phosphate Rock, f.o.b. mines	D	3.25 : 3.50	Prices c.i.f. Atlantic & Gulf Ports		
Para-Nitrotoluene, 350 lb bbls	D	.30	Florida Pebble 68% .....	ton	3.50 : 3.75	Discounts 50 tons, 5%; 500 tons 10%		
Para-oxy Benzaldehyde, 100 lb			Florida Pebble 70% .....	ton	4.25 : 4.50	<b>POTASH, CAUSTIC, solid 88-92%</b>		
kegs	D	1.70	Florida 72% .....	ton	5.00 : 5.25	700 lb drs wks	D	.07½ : .07¾
Para-Phenetidin, 500 lb drs	D	1.55 : 1.80	Tennessee, 72% .....	ton	5.50	Imp., 88-92% 700 lb drs. NY	D	.07½ : .07¾
Para-Phenylenediamine, 350 lb			Phosphorus, red 110 lb cs	D	.68 : .70	USF, by alcohol 5 lb cans	D	.46 : .47
bbls	D	1.20 : 1.25	Yellow, 110 lb cs wks	D	.32	cases	D	.30 : .31
Para-Toluene-Sulfonamide, 175 lb			Imported, 110 lb cs wks	D	.35 : .37½	<b>POTASSIUM Acetate, USP., 100 lb</b>		
bbls	D	.40 : .41	Phosphorus Oxide, 175 lb cyl.	D	.33 : .40	kegs	D	.29 : .30
Para-Toluene-Sulfonchloride, 410 lb			Phosphorus Trichloride, 175 lb cyl	D	.45	Second Hands, kegs	D	.26 : .28
bbls. wks	D	.18 : .30	Phthalic Anhydride, 100 lb bbls	D	.18 : .20	Bicarbonate, crys., 320 lb bbls	D	.08½ : .09
Para-Toluidine 350 lb bbls wks	D	.50 : .60	wks	D		Bichromate crys., 725 lb csks	D	.08½ : .09½
<b>PARIS GREEN</b>						Powd. 725 csks, wks	D	.11 : .12
Arsenic Basis, 500 lb kegs	D	.19 : .20				Binorate, 300 lb bbls	D	.16 : .17
Keps, 100 lbs.	D	.21 : .22				Import, 112 lb bbls	D	.18 : .19
Kits, 56, 28, 14 lbs.	D	.22 : .23						

## NAPHTHALENE

Barrett Quality

## Polar Brand

FLAKE, BALLS, RICE,

GRANULATED, POWDERED, TABLETS

For Drug Trade

THE BARRETT COMPANY  
40 Rector Street New York City



"Barrett Standard"

**Barrett**  
**CHEMICALS**

# Chemicals

POTASSIUM (Cont.)			POTASSIUM (Cont.)			QUININE SULFATE, USP		
Bisulfate, C.P., 5 lb cans	..	.30	Muriate, 80% 200 lb bags, NY	..	.63	Jars, 100 oz. tins	..	.50
100 lb kegs	..	.32	K.Ounit	..		Japanese, 100 oz. tins	..	.50
Bromate, 100 lb cs	..	.35	Nitrate, see Saltpetre	..		Resale	..	.44
BROMIDE, USP, cryst, 450 lb	..		Oxalate, neutral, 225 lb bbls	..	.16	Acetate	..	.88
bbls	..	.48	Perchlorate, 112 lb kegs	..	.10%	Arsenate	..	.88
Granular, 300 lb bbls	..	.48	PERMANGAN, USP, crys 500 lb	..		Benzoate	..	.88
Cases, 100 lb	..	.50	& 100 lb drs., wks	..	.15	Bisulfate, USP	..	.45
Imported, USP, 220 lb cs	..	.37	Imp. 113 lb drs	..	.14	Resale	..	.41
Shipment	..	.43%	Prussiate red, 500 lb casks	..	.37	Citrate	..	.62
CARBONATE, 80-85% calc.	..		Prussiate, yellow 500 lb casks	..	.18	Dihydride, USP	..	.66
800 lb cks.	..	.05%	Salicylate, 25 lb cans	..	.60	Dibromide	..	.66
80-85% hydrated, 800 lb	..		Sulfate, 200 lb bags NY K.Ounit	..	.35	Dicarbonate 1 oz. tins	..	2.50
cks.	..	.05% : .05%	USP, VIII 100 lb kegs	..	.15	Ethyl Carbonate, 16 oz. tins	..	.70
90-95% calc. casks	..	.08% : .08%	Sulfocyanide, CP, 25 lb jars	..	.50	Ferrocyanide	..	.88
96-98% calc. casks	..	.06% : .06%	Tartrate, neutral 100 lb kegs	..	.51	Formate	..	.85
99% calc. casks	..	.07% : .07%	Titanium Oxalate, 200 lb bbls	..	.25	Glycerophosphate	..	.88
USP 100 lb kegs	..	.11% : .11%	Pumice Stone, lump, 250 lb bbls	..	.04% : .06	Hydride	..	.88
99% C.P. casks	..	.12% : .12%	Lump, bags	..	.04	Hydrobromide, USP	..	.62
Chlorate, cryst. 112 lb bgs c-l	..		Powdered, 350 lb bbls	..	.02% : .03	Hydrochloride, USP	..	.62
wks	..	.08% : .09	Pyridine, 50 gal drums	gal	4.00 : 4.10	Hydrochlorosulfate	..	.66
Imp. 112 lb NY lb	..	.08% : .08%	QUEBRACHO, 35% liquid tins	..	.03	Hydride & Urea, USP	..	.88
Powd., 112 lb kegs wks	..	.08% : .09	450 lb bbls c-l	..	.03% : .04	Hypophosphite	..	.88
Imp. kegs NY	..	.08% : .08%	35% bleaching, 450 lb bbls	..	.04	Lactate	..	.78
Gran. Imp., 112 lb kegs NY	..	.10% : .11	Solid 63%, 100 lb bales c.l.f.d.	..	.04% : .04%	Phenolsulfonate	..	.88
Pyrotechnic, fine powd. NY	..	.07	Jan-June	..	.04% : .04%	Phosphate	..	.74
USP, fine powder, 110 lb kegs	..		Clarified, 64% bales	..	.05	Salicylate, USP	..	.63
NY	..	.14 : .15	Jan-June	..	.04% : .05	Tannate, USP	..	.45
Crys.	..	.12	Quercitron, 51° 450 lb bbls	..	.06% : .07	Tartrate	..	.88
Gran.	..	.14	Solid, 100 lb boxes	..	.10 : .13	Valerate	..	.89
Chloride, crys., bbls	..	.05% : .05%	Quercitron bark, rough	ton	14.00			
Chromate, kegs	..	.27 : .28	Ground	ton	34.00 : 35.00			
Citrate USP, 50 lb	..	.60	QUICKSILVER, see Mercury	..				
Cyanide 110 lb cases	..	.52 : .55	Quinidine Alk., 100 oz. tins	..	.70 : .75			
Glycerophosphate, 75% Soln. 25 lb	..		Sulfate, 100 oz. tins	..	.50			
tins	..	1.35 : 1.50	Quinidine, see Chinoidin	..				
10 lb	..	2.00 : 2.25	QUININE SULFATE, USP	..				
Quaiscol Sulfonate	..	1.50 : 1.75	American 100 oz. tins	..	.50			
See hands	..	1.35 : 1.40	1 oz. tins 100 oz. lots	..	.57			
Hypophosphite, 10 lb cans	..	.80 : .85	Dutch, 100 oz. tins	..	.50			
Iodide, USP, 100 lb cases	..	3.75 : 3.80						
Lactophosphate 4 oz. bot	..	.90						
Metabisulfite, 300 lb bbls	..	.10 : .11						
Imp., 550 lb bbls	..	.10 : .11						

# Quinine Bi-sulphate Sulphate

A beautiful white, fluffy product manufactured in  
"Roche" laboratories.

Available in bulk or in standard subdivisions very  
attractively packaged.

The Hoffmann-La Roche Chemical Works

19-21 CLIFF STREET

New York City

## Chemicals

Quinine, 100 lb bags .....	1.75	: 2.25
SALT, 250 bbls. wks .....	.45	: .47
Red Lead, see lead oxide .....		
Red Precipitate, see mercury .....		
Bennet, N.F., 5 lbs (125,000) lb .....	2.95	: 3.50
Resorcinol, see resorcinol .....		
Resorcinol, tech., 100 lb bags .....	1.30	: 1.35
USP, 25 lb cans .....	2.25	: 2.35
Roche's Salt, USP, 225 lb bbls .....	.20	: .20 1/2
Imp., USP, 300 lb bbls .....	.19	: .19 1/2
Rosewater, triple 5 gal demis .....	.85	: .90
Rosins, (Sold in 600 lb bbls gross for net)		
B .....	280 lb	: 10.75
D .....	280 lb	: 11.55
E .....	280 lb	: 12.00
F .....	280 lb	: 14.00
G .....	280 lb	: 14.00
H .....	280 lb	: 14.25
I .....	280 lb	: 14.25
K .....	280 lb	: 15.50
M .....	280 lb	: 15.50
N .....	280 lb	: 16.30
WG .....	280 lb	: 16.50
WW .....	280 lb	: 16.70
(Sold in 600 lb bbls net, quotations based on a unit of 280 lb)		
Rosin Oil first run 50 gal bbls gal .....		: .73 1/2
Second run bbls .....		: .78 1/2
Mottled Stone lump imp bbls .....	.07	: .08
Lump selected, bbls .....	.09	: .12
Powdered, bbls .....	.02	: .05
Domestic, bags mines .....	24.00	: 30.00
SACCHARIN, USP, 10 lb cans, 25 lb .....		
Soluble, USP, 10 lb cans, 25 lb .....	1.75	: 1.85
Sago, Flour 150 lb bags .....	1.75	: 1.85
Sal Ammoniac, see Ammon. Chloride .....		
Sal Soda, see Sodium Carbonate .....		
Sallein, USP, 1 lb cartons, 25 lb .....	4.75	: 5.00
Salol, USP, 100 lb drums .....	.80	: .90
Salit, Common, see sodium chloride .....		
Salt Cake 94-96% c-l wks .....	19.00	: 22.00
White 87% wks .....	15.00	: 17.00

SALTPETRE, Double Refined		
Granular, 400-500 lb bbls .....		
c-l wks .....	.06 1/2	: .06 1/2
Less c-l wks, bbls .....	.06 1/2	: .06 1/2
Large Crystals, 350-400 lb bbls, .....		
c-l wks .....	.07	: .07 1/2
Triple refined, Granular, 350 lb .....		
bbls 1-c-l .....	.06 1/2	: .06 1/2
Powdered, bbls c-l wks .....	.07 1/2	: .07 1/2
Imported, 500 lb bbls. NY .....	.06 1/2	: .06 1/2
Santonin, USP, bulk .....	141.00	: 145.00
Powd. bulk .....	142.00	: 147.00
Saponin, refined, 5 lb tins .....	1.25	: 1.50
Crude .....	1.00	: 1.25
Satin White, 500 lb bbls .....		: .01 1/2
Scopolamine, see hyoscine .....		
Selditz Mixture, 225 lb bbls .....	.16 1/2	: .16 1/2
SILICA		
Crude, bulk, mines .....	6.00	: 7.00
Refined, floated, bags .....	15.00	: 30.00
Air floated, bags .....	32.00	: 50.00
Extra, floated, bags .....	55.00	: 65.00
Colloidal, 1 doz bot .....		: 2.80
SILVER metal American oz .....		: .85 1/2
Iodide, 16 oz bot .....		: .69
Nitrate 16 oz bot .....		: .44 1/2
Nucleinate 1 oz bot .....		: .41
Bulk, .....		: .34
Protein, 1 oz bot .....		: .36
Bulk .....		: .29
Sosp, Castile, 40 lb bxs .....	.20	: .25
Powd. USP, 250 lb bbls .....	.28	: .30
Green, USP, 450 lb bbls .....	.07 1/2	: .08 1/2
Soapstone, see Talc. crude .....		
SODA ASH, 58% light		
1-4 bags delivered NY .....	2.10	: 2.10
5 & Up bags, del'd NY .....	2.04	: 2.04
1-4 bbls. del'd NY .....	2.44	: 2.44
5 & Up bbls del'd NY .....	2.29	: 2.29
Contract, Basis 58% dense bags .....		
wks .....	1.33	: 1.33
Prompt and spot, Basis 58% bgs .....		
c-l wks .....	1.43	: 1.43

SODA ASH (Cont.)		
c-l wks .....	1.45	: 1.45
Pmpt. and spot, Basis 58% bags .....		
c-l wks .....	1.50	: 1.50
SODA, CAUSTIC, 76% solid .....		
1-4 drums del'd NY .....	3.91	: 3.91
5 & Up drums del'd NY .....	3.76	: 3.76
Ground & Flake 76% .....		
1-4 drums, del'd NY .....	4.31	: 4.31
5 & Up drums del'd NY .....	4.16	: 4.16
1-4 bbls del'd .....	4.56	: 4.56
5 & Up bbls del'd .....	4.41	: 4.41
Contract basis 76% c-l wks .....		
100 lb .....	3.10	: 3.10
Pmpt. and spot Basis 76% .....		
c-l wks .....	3.20	: 3.20
Contract 74% low grade c-l wks .....		
flat .....	3.02	: 3.02
Ground & flake, 76% pmpt. and .....		
spot, wks, c-l drs 100 lb .....	3.60	: 3.60
Contract 76% drums c-l wks .....		
flat .....	3.50	: 3.50
CRP, stick, 10 lb cans .....	.19	: .21
Pure, stick, by alcohol .....	.23	: .27
Soda Sal. see Sodium Carbonate .....		
Sodium Metal, 12 1/2 lb bricks .....		: .27
SODIUM ACETATE, crys 450 lb bbls .....		
wks .....	.04 1/2	: .05
Aluminate 500 lb bbls wks .....	.07 1/2	: .08
Aluminum Sulfate, see alum soda .....		
Arsenite, 4 lb mtl. wks drn gal .....	.50	: .60
Drums, 8 lb material, wks gal .....	1.00	: 1.20
Benzoate, USP, 100 lb bbls .....	.50	: .55
Bicarbonate, 400 lb bbls NY .....	2.41	: 2.41
Bbls c-l wks .....	2.00	: 2.00
112 lb kegs c-l wks .....	2.25	: 2.25
112 lb kegs NY .....	2.66	: 2.66
Bichromate, 500 lb cans wks .....	.06 1/2	: .06 1/2
Casks c-l NY .....	.06 1/2	: .06 1/2
Casks, NY .....	.06 1/2	: .06 1/2
Bisulfite, dry powder 500 lb .....	.03 1/2	: .04
bbls wks .....	.03 1/2	: .04
Imported .....	.03 1/2	: .03 1/2

## Formic Acid Oxalic Acid Tartaric Acid



Chemische Fabrik  
Dr. Hugo Stoltzenberg  
Hamburg 28, Germany

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Solvay Tanners Alkali  
Solvay Tanners Soda  
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## Chemicals

## SODIUM (Cont.)

BROMIDE, USP, 450 lb bbls lb	.48	: .49
Cases, 50 lb	.48	: .49
Imp. USP., 220 lb cases lb	.42½	: .43
Bromate, 100 lb cs		: 1.15
Caecodylate, USP, 25 lb		: 1.15
50 lb bot	5.90	: 6.10
Carbonate Sal Soda 350 lb bbls		
le-l NY	1.30	: 1.35
Works e-l	1.10	: 1.30
Monohydrate, 400 lb bbl		
le-l NY		: 2.40
Pure photographic 100 lb		
keg	.06	: .08
Chlorate, 112 lb kegs wks lb	.05½	: .06
Imported, 112 lb kegs	.06½	: .06¾
Chloride, tech	12.00	: 13.00
C. P. 300 lb bbls	.05	: .06
Chromate 800 lb bbl		: .08
Citrate, USP, X 50 lb bbls		
kegs	.45	: .47
USP, VIII, 50 lb bbls kegs lb	.38	: .40
Cyanide 96-98% 100 & 250 lb drums		
wks		: .20
e-l wks		: .19
Imp. 95-97% 100 lb drums		: .19
e-l		: .18
Fluoride, 300 lb bbls, wks lb	.09	: .09¾
IMP. 700 lb cks	.08¾	: .10
Glycerophosphate USP, cryst. 25 lb cans	1.40	: 1.55
Powder, 25 lb tins	1.45	: 1.60
Solution, USP, 25 lb tins lb	1.05	: 1.20
Hydroxide, see Soda Caustic		
Hypochlorite Soln., 100 lb cys lb		: .05
1½ soln., 50 lb cys lb		: .04
Hydrosulfite, 200 lb bbls fob wks lb	.22	: .24
Fur Stripping, 50 lb cans lb	.20	: .25
Hypophosphite, USP, 25 lb cans lb	.70	: .75

## SODIUM (Cont.)

HYPOSULFITE, tech., pea crys.		
375 lb bbls, wks 100 lb	2.65	: 3.05
Bbls., e-l wks		: 2.50
100 lb kegs, wks	2.80	: 2.90
Imp	2.75	: 3.00
Regular crys., bbls, wks 100 lb	2.40	: 2.65
Bbls., e-l wks	2.40	: 2.50
Kegs, wks	2.35	: 2.45
Imp	2.35	: 2.45
Iodide, USP, 25 lb jars	4.25	: 4.30
Metanilate, 150 lb bbls	.70	: .75
Molybdate 100 lb kegs		: 1.10
Naphthionate, 300 lb bbls lb	.55	: .57
Nitrate crude, 95% 200 lb bgs		
e-l NY		: 2.69
Feb. Shipment NY 100 lb		: 2.71
Double Refined 400 lb bbls		
gran. e-l wks		: .03½
Nitrite, 500 lb bblspot makers lb		: .09
Imp. 650 lb casks	.08½	: .09
Ortho-Chloro-Toluene Sulfonate		
175 lb bbls, wks lb	.25	: .27
Oxalate, neutral, 100 lb kegs lb	.20	: .23
Perborate, 275 lb bbls	.21	: .22
Imp. 225 lb drs	.21	: .22
Peroxide, 200 lb cases lb		: .27
Phosphate, di-sodium, tech., 550 lb		
Bbls	3.55	: 3.90
USP, gran., 275 lb bbls lb	.07	: .07¾
Imp. gran	.04½	: .05¾
USP, Crystal, 275 lb bbls lb	.07½	: .08
Mono-sodium, 100 lb kegs lb	.30	: .31
Tri-sodium tech e-l bbls 100 lb		: 3.90
Pieramate, 100 lb kegs lb		: .69
Para-Toluene Sulfonate 175 lb bbls	.08	: .09
PRUSSIAN, yellow, 350 lb bbls		
wks	.10	: .10¾
Imp 50 lb cks	.10	: .10¾
Pyrophosphate, 100 lb kegs lb	.24	: .26
Sulfate, 100 lb kegs lb	.40	: .40
Second hands, USP, kegs lb	.39	: .40

## SODIUM (Cont.)

Silicate, 40° turbid, tanks		
wks		: .75
55 gal. drums, wks 100 lb	.85	: 1.10
40° clear, tanks, wks 100 lb		: 1.10
55 gal. drs, wks	1.20	: 1.45
42° turbid tks, wks		: .80
55 gal. drs wks	.90	: 1.15
42° clear, tanks, wks 100 lb		: 1.25
55 gal. lrs, wks	1.35	: 1.75
Silicofluoride, 450 lb bbls NY lb	.04¾	: .04¾
Stannate, 100 drums	.42½	: .43¾
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls		
e-l wks	.03	: .03½
U.S.P.	.04½	: .05
Imp., 250 lb bbls	.02	: .02½
Sulfide, 60% solid, 650 lb drs, le-l wks		: .04¾
Drs., e-l wks		: .04
Imp., 700 lb drs NY lb		: .03¾
60% broken, 650 lb drs.wks lb		: .04¾
Drs. e-l wks		: .04
30% crys., 440 lb bbls.wks lb	.02¾	: .02¾
Imp., 400 lb bbls		: .02¾
Sulfite, cryst., 400 lb bbls wks lb	.03¾	: .03¾
Anhydrous, 400 lb bbls lb	.09¾	: .10
Sulfocarbonate, USP, 100 lb kegs lb	.32	: .34
Sulfocyanide, 400 lb bbls lb	.40	: .45
Tungstate, cryst., 100 lb kegs lb	.80	: .82¾
SOLVENT NAPHTHA, 110 gal. drs wks	.40	: nom.
8,000 gal tnk crs wks gal	.35	: nom.
Sparteln Sulfate, USP, 250 lb blk cs		: .60
Single oz. vial		: .77
Spruce, 25% liquid tanks, wks lb	.01	: .01¾
bbls		: .01¾
Powd., 50% 100 lb bags wks lb	.02	: .02¾
Starch, rice, 140 lb bags	.09	: .10



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## Chemicals

STARCH, powd., 140 lb bags c-1100 lb	...	3.32	SULFUR (Cont)			Tartar Emetic tech., 700 lb bbls D	...	.29
Bags 1c-1	.....	3.42	Less c-1 bags NY	.....	2.05	USP, 300 lb bbls	.....	.31
Pearl, 140 lb bags, 100 lb D	.....	3.22	Roll, 500 lb bags c-1 NY	.....	2.30	Terpin Hydrate, USP, 100 lb kegs D	.....	.47
Bags 1c-1	.....	3.22	Less c-1 bags NY	.....	2.35	Terpineol, C. P. 1000 lb drums D	.....	.40
Potato domestic, 200 lb bags c-1 D	.....	0.44	Flour, Heavy bags	.....	2.70	Cans, 50 lb	.....	.42
Imported bags duty paid	.....	0.54	Light 100% bags	.....	2.80	Imported, cans 25 lb	.....	.48
Wheat, dom., thick bags	.....	0.07	Rubbermakers	.....	2.40			
Thin, bags	.....	0.07	bbls, NY	.....	3.05	Terpinol Acetate, 25 lb cans	.....	1.65
Sol. Potatoes	.....	0.09	Commercial, 99% c-1 150 lb bags	.....	3.30	Terra Alba, No. 1, 300 lb bbls 100 lb	.....	1.85
STARCHINE Bromide, USP, 50 lb			NY	.....	1.40	Tetralene, 50 gal drs wks	.....	.20
kegs	.....	.51	For Dusting, c-1 99% 100 lb	.....	2.05	Tetrobromine Alk., 5 lb cans	.....	3.60
Carb. N.F. 600 lb bbls wks D	.....	.30	bags NY	.....		Sod., Salicylate, 1 lb bot	.....	2.92
100 lb kegs, wks	.....	.08	Flowers, 100% 155 lb bbls	.....		Thiocarbamid, 170 lb bbls	.....	.24
Iodide, USP, 25 lb jars	.....	4.00	NY	.....	3.35	Thymol, USP, 25 lb tins	.....	4.00
Nitrate, 600 lb bbls NY	.....	0.08	Precipitated, 125 lb bbls NY	.....	.15	Iodide kegs	.....	7.00
Imported, bbls NY	.....	0.08	Lac., 125 lb bbls NY	.....	.10			
Salicylate, USP, 100 lb kegs D	.....	.75	Sulfur Chloride, red, 700 lb drs.	.....	.05	TIN, metal, Straits, NY	.....	.65
STARCHINE Alkaloid, USP, crys.			wks	.....	.05	99% American NY	.....	.62
100 oz. tins	.....	.61	150 lb chys wks	.....	.08	Bichloride, 50% soln. 100 lb	.....	
Japanese cans	.....	.75	Yellow, 700 lb drs wks	.....	.03	bbls wks	.....	1.74
Alk., powd., USP	.....	.51	Sulfur Dioxide, 100 lb cyl	.....	.09	Crystals, 500 lb bbls wks	.....	.43
Acetate	.....	.55	Iodide, USP, VIII, 5 lb bot	.....	4.55	100 lb kegs wks	.....	.43
Hydrophosphate, USP	.....	.55	Sulfuryl Chloride, 600 lb drs	.....	.65	Iodide 5 lb boxes	.....	.07
Hydrobromide	.....	.55	Sumac, extract, Liquid 450 lb bbls	.....	.05	Iodide 300 lb bbls wks	.....	.66
Hydrochloride	.....	.55	C. P. 450 lb bbls	.....	.10	100 lb kegs wks	.....	.68
Hydrophosphate	.....	.65	Stainless, 600 lb bbls	.....	.11	Recovered bbls	.....	.58
Nitrate, USP	.....	.55	Sumac, Sicily leaves 100 lb bagston	.....	130.00	Tetrachloride, 100 lb drs wks	.....	.36
Phosphate	.....	.55	Ground Shipment	.....	95.00	Titanium Oxide bbls, wks	.....	.13
Sulfate, USP, crys. powd.	.....	.42	Virginia, 150 lb bags	.....	50.00	Talcine, 350 lb bbls	.....	.90
Saccharinate	.....	1.15	TALC, Italian 220 lb bags NY	.....	40.00	Sulfate, 800 lb bbls	.....	.80
Styrene preparations quoted bases			Refined, white bags	.....	50.00	Toluene, 8,000 gal tank cars wks gal	.....	.35
100 oz lots on 100 oz tins. Small sizes			French, 220 lb bags NY	.....	30.00	110 gal drs wks	.....	.40
3/4 oz vials, 50c extra; 1/4 oz vials, 25c			Refined, white bags	.....	38.00	Nitration, Tank cars, wks	.....	.37
extra; single ounce vials, 7c extra. Lots			Dom., crude, 100 lb bags NY	.....	12.00	Drums wks	.....	.42
of 25 oz. 5c higher than above schedule.			Refined 100 lb bags NY	.....	16.00	Non-corrosive, Tank cars, wks gal	.....	.36
Lots of less than 25 oz. 10c higher per			Tankage, ground NY	.....	4.35	Drums, wks	.....	.41
ounce.			High grade f.o.b. Chicago unit	.....	4.25	Toluidine, Mired, 900 drs, wks D	.....	.32
Sugar Coloring (See Caramel)			So. Am. c.i.f.	.....	2.70	Toner Lithol Red bbls	.....	.85
Sugar Milk, USP, 200 lb bbls	.....	.20	Tapioca Flour, high grade bags	.....	.05	Para Red bbls	.....	.75
Second Hands, USP, bbls	.....	.18	Medium grade, bags	.....	.04	Toluidine	.....	1.75
Sulfonal, see Sulfonmethane			Low grade, bags	.....	.03	Triacetin, 50 gal drs wks	.....	3.60
Sulfonethymethane, USP, 10 bxs D	.....	3.85	Tar Coke Oven, Tks, wks	.....	.07	Triphenol, 100 lb cans	.....	2.10
Sulfonmethane, USP, 10 lb bxs D	.....	2.65	Water Gas, Tks, wks	.....	.08	Trional, see Sulfonethymethane		
SULFUR			Tar, Kilo-burnt	.....	15.50	Triphenylguanidine	.....	.69
Crude, f.o.b. mines	.....	17.00	Retort	.....	15.50	Triphenyl Phosphate, 450 lb bbls D	.....	.73

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Tripoli, 500 lb bbls	100 lb	2.50	3.00
Tungsten, NY	W0 unit	12.00	13.00
Turkey Red Oil, bbls single	lb	.11	.12
double	lb	.14	.18
Turpentine Spirits bbls	gal	1.01	1.05
Wood steam Dist., bbls	gal	1.01	1.05
Ultramarine Blue	lb	.15	.25
UREA, pure 112 lb cases	lb	.18	.20
Valonia Caps, 30-31% tan	ton	35.00	35.00
Beard 42% tan bags	ton	53.00	55.00
Mixture, 36% tan bags	ton	40.00	40.00
VANILLIN, USP, 500 oz cans	oz	.49	.50
Cane, 80 oz	oz	.50	.51
Cane, 16 oz	oz	.51	.51
Second Hands	oz	.47	.49
Venetian Red	lb	.60	.60
Vermilion, Amer., 100 lb kegs	lb	.35	.40
English, kegs	lb	1.40	1.45
Veratrine Sulfate, 1 oz vial	oz	.185	.185
Hydrochloride, 1 oz vial	oz	.135	.135
Veronal, see Acid Diethylbarbituric			
Wattle Bark, bags	ton	40.00	42.00
Extract 55% dble bgs ex-dock	lb	.054	.054
WHITE LEAD, see lead, white			
White Precipitate, see mercury			
Whiting, 200 lb bags c-1 wks 100 lb	lb	1.25	1.25
Alba bags NY c-1	ton	13.00	13.00
Gilders, bags NY c-1	ton	1.35	1.35
French, bags NY c-1	ton	14.50	19.00
English, bags NY c-1	ton	21.00	22.00
Paris white bags c-1	100 lb	1.00	1.00
Witch Hazel Extract, 50 gal bbls gal	gal	1.05	1.10
XYLENE, 3° dist range nibration			
110 gal drs NY	gal	.70	nom.
5° dist. range, 8000 gal tanks			
wks	gal	.55	nom.
110 gal drs wks	gal	.60	nom.
10° dist range drums, wks gal	gal	.55	nom.
Tanks wks	gal	.50	nom.
Com'l 110 gal drs wks gal	gal	.41	nom.
Tanks wks	gal	.36	nom.
Xylidine crude	lb	.35	.35
Refined	lb	.38	.40

YANA YANA, 1 lb tins	lb	1.05	1.30
Yohimbin Hydchlide, 1 oz vial oz	oz	3.15	4.00
Rosale	oz	2.75	3.00
Yolk Oil bbls	lb	.35	.35
ZINC METAL, high grade, alaba			
c-1 NY	100 lb	7.80	7.80
Ammonium Chloride, powd., 400 lb	lb	.064	.064
bbls	lb	.094	.10
Carb., tech bbls NY	lb	.20	.20
USP, 100 lb kegs	lb	.06	.06
Chloride, fused, 600 lb drs wks	lb	.055	.055
Drs. c-1 wks	lb	.064	.064
Granulated, 500 lb bbls wks	lb	.06	.064
Imported dr NY	lb	3.00	3.00
Solution, 50% tanks wks 100 lb	lb	.27	.29
USP, 25 lb jars cont. ex	lb	.40	.41
Cyanide, 100 lb drs	lb	.10	.10
Dust, 100 lb tins wks	lb	.09	.09
500 lb bbls kegs c-1 wks	lb	.522	.522
500 lb bbls kegs lc-1 wks	lb	.45	.45
Iodide, 5 lb bots	lb	.0734	.0734
Nitrate, 25 lb jars	lb	.074	.074
Oxide, Amer., bags wks	lb	.1034	.1034
Amer 300 lb bbls wks	lb	.1034	.1034
French, 300 lb bbls wks	lb	.14	.14
Bbl. c-1 wks	lb	.15	.15
Bags c-1 wks	lb	.16	.16
USP, 100 lb bbls c-1	lb	.17	.17
10-25 bbl lots	lb	.12	.134
5 bbl lots	lb	.114	.12
1 bbl lots	lb	.104	.11
Imported, white seal, bbls	lb	.214	.24
Green seal, bbls	lb	.20	.21
Red seal, bbls	lb	.034	.034
Stearate, USP, 50 lb bbls	lb	.03	.03
Second hands	lb	.08	.09
Sulfate, 400 lb bbls wks	lb	.30	.32
Bbls c-1 wks	lb	.29	.30
USP 100 lb bbls	lb	.45	.50
Sulfide, 500 lb bbls	lb	.08	.10
Sulfocarbonate, 100 lb kegs	lb	.024	.03
Zincium, oxide, pure	lb		
Semi-refined, bags	lb		
Natural, bags	lb		

## Oils - Fats

Castor, No. 1, 400 lb bbls	lb	.134	.14
80 lb cases	lb	.144	.15
No. 3	lb	.13	.134
Blown, 400 lb bbls	lb	.18	.18
China Wood, spot NY	lb	.114	.12
Tanks, Spot, NY	lb	.11	.114
Coast tanks,	lb	.10	.104
Coconut Ceylon, 375 bbls NY	lb	.114	.114
5,000 gal tanks NY	lb	.1094	.1094
Cochin, 375 lb bbls NY	lb	.12	.124
Tanks NY	lb	.11	.114
Manila bbls NY	lb	.114	.114
Tanks, NY	lb	.104	.104
Tanks, Pacific Coast	lb	.094	.10
Edible bbls NY	lb	.134	.14
Cod Newfoundland, 50 gal bbls gal	gal	.68	.70
Tanks, NY	gal	.60	.63
Cod Liver, see Cod Liver Oil under Chemicals			
Copra, bags	lb	.06	.064
Corn, ref., 375 lb bbls NY	lb	.13	.134
Tanks	lb	.12	.124
Crude tanks mills	lb	.114	.114
Bols NY	lb	.13	.13
Cottonseed Crude, tks, mill	lb	.11	.114
FSY., 100 bbls NY spot	lb	.124	.124
March-Oct	lb	.13	.13
White, 100 bbls lots NY	lb	.14	.14
Winter yellow, 100 bbls NY	lb	.044	.044
Degras, Amer., 50 gal bbls NY	lb	.054	.054
English, light bbls NY	lb	.044	.044
Brown, bbls NY	lb	.044	.044
Light brown, bbls NY	lb	.034	.034
Dark, bbls, NY	lb	.074	.074
Neutral, bbls NY	lb	.50	.50
Moellon, bbls, NY	gal	.084	.084
Greases choice white bbls NY	lb	.084	.084
Yellow	lb	.084	.084
House	lb	.084	.084
Brown	lb	.084	.084

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# TRI SODIUM PHOSPHATE



# Oils - Fats

Herring, Tanks, Coast	gal	.40	nom.
Horse, 375 lb bbls NY	lb	.10	nom.
Lard, prime steam, bbls	lb	.15	.15%
Compounds, bbls	lb	.13%	.14
LARD OIL, edible prime	lb	.17%	.14
Off prime bbls	lb	.14	.13%
Extra bbls	lb	.13	.12%
Extra, No. 1 bbls	lb	.13	.12%
No. 1, bbls	lb	.12%	.12%
No. 2, bbls	lb	.12%	.107
LINSEED, raw c-l bbls spot	lb	.107	.11
Five bbls raw	lb	.11	.099
Tanks, raw	lb	.099	.113
Rid., 50 lb lots wks	lb	.113	.115
DBL, boiled 5 bbl	lb	.115	.107
March-April c-l wks	lb	.107	.108
May-June c-l wks	lb	.108	.109
July-Aug c-l wks	lb	.109	
Imported bbls, NY	gal		
Tanks, NY	gal		
Menhaden, crude tanks, Balt	gal	.55	nom.
Light pressed, bbls NY	gal	.70	.72
Yellow, bleached bbls NY	gal	.73	.75
Extra bleached bbls NY	gal	.75	.77
Blown, bbls, NY	lb		.10%
Neatsfoot 20° c.t. bbls NY	lb	.22%	.16%
Pure bbls NY	lb	.16%	.13
Extra bbls NY	lb	.13	.22%
No. 1, bbls, NY	lb	.13	.13
C. P. bbls NY	lb	.22%	.11%
Oleo Oil No. 1, bbls NY	lb	.13	.11
No. 2, bbls NY	lb	.11%	
No. 3, bbls NY	lb	.11	
OLIVE, denatured bbls NY	gal	1.18	1.22
Edible, bbls NY	gal		1.85
Foots bbls NY	lb	.08%	.08%
Shipments	lb	.08%	.09
Palm Lagos, 1500 lb casks	lb	.08%	.09
Niger casks	lb	.08	.08%
Bonny old Calabar, casks	lb		nom.
Palm Kernel bbl NY	lb	.10%	.10%
Casks	lb	.10	

Peanut refined bbls NY	lb	.15	nom.
Crude, mills buyers' tks	lb	.10	.11
Crude, bbls, NY	lb	.11	.14%
Perilla, bbls NY	lb	.14	1.85
Poppseed, bbls NY	gal	1.85	.90
Rapeseed, bbls NY Japanese	gal	.90	.92
English	gal	.94	.95
Blown bbls NY	gal	1.10	1.12
Red Oil, distilled bbls	lb	.10%	.11
Tanks	lb	.09%	.11
Saponified, bbls	lb	.10%	.09%
Tanks	lb	.09%	
Salmon, 8000 gal. tks. Coast	gal	.50	nom.
Sardine, Tanks, Pacific Coast	gal	.57	.13%
Sesame, edible, yellow bbls	lb	.13%	.14%
White	lb	.14%	.40
Sod Oil, bbls, NY	gal	.40	.10%
SOYA BEAN, crude tks. Pacific	lb	.10%	.11%
Crude, tks NY	lb	.11%	.12%
Crude, bbls NY	lb	.12%	.13
Refined, bbls NY	lb	.13	.13%
Sperm., 38° c.t. bichd bbls NY	gal	.85	.86
45° cold test, bichd. bbls NY	gal	.82	.84
STEARIC ACID,			
Double pressed, bags distilled	lb	.14%	.14%
Double pressed, bgs., saponified	lb	.14%	.14%
Carlots	lb	.14%	.16%
Triple pressed, bgs., distilled	lb	.16%	.16%
Triple pressed, bgs., saponified	lb	.16%	.16%
Carlots	lb	.16%	.12%
Stearine oleo, bbls	lb	.12%	.10%
Tallow edible, tierces	lb	.10%	.11
City Extra loose	lb	.11	.09%
Tallow Oil, acidless tks, NY	lb	.11%	.12%
Bbls c-l NY	lb	.12%	
Walnut, crude bbls NY	lb		.76
Whale, nat winter bbls, NY	gal	.76	.78
Blehd winter bbls, NY	gal	.78	.80
Extra Bleh, bbls, NY	gal	.80	.82
Crude No 1, tanks coast	gal		
Crude No. 2, tanks coast	gal		
Crude No. 3 tanks coast	gal		

## Crude Drugs

Acornus Gum, red, see Yasm			
ACONITE LEAVES, bales	lb	.09	.10
Root, URP, bags	lb	.24	.25
Agar Agar, 1, 200 lb bbls	lb	1.18	1.25
No. 2, bales	lb	1.80	nom.
No. 3, bales	lb	.73	.75
Agaric white, cases	lb	.90	.95
Granulated, boxes	lb	1.25	1.50
Almonds, bitter, boxes	lb	.55	.60
Sweet, boxes	lb	.65	.70
Meal, barrels, boxes	lb	.24	.26
Aletris Root, bags	lb	.40	.42
Alkanet Root, bag	lb	.08%	.10
Aloes, Barbadoes, 120 lb bbls	lb		1.25
Cape, 400 lb cases	lb	.11	.15
Curacao, 100 lb cases	lb	.12	.16
Socotrine whole, 300 lb cs	lb	.30	.33
Althea Root Cut cs	lb	.44	.45
Ord. & Pwd. bgs	lb	.50	.55
Ambergris, black boxes	lb	18.00	20.00
Grey, boxes	lb	30.00	35.00
Ammoniac, tears, bags	lb	.75	.80
Angelica Root, dom. bags	lb	.17	.18
Imp.	lb	.15	.16
Angostura Bark, bags	lb	.15	.20
Anise, Levant, bags	lb	.12%	.13
Russian bags	lb	.12	.12%
Star Cane	lb	.14%	.15
Spanish bags	lb	.13	.13%
Annatto Seed, 200 lb bags	lb	.13	.14
ARABIC GUM,			
White, No. 1, 200 lb bags	lb	.24	.25
Secund, 250 lb bags	lb	.23	.25
Sorts, Amber 200 bags bbl	lb	.13	.13%
Powd., USP, 300 lb bbls	lb	.19	.22
Areca Nuts 150 lb bags	lb	.19	.20
Powd., 200 lb bbls	lb	.23	.25
Arnica Flowers, bales	lb	.17	.18
Root, bags	lb		nom

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## Crude Drugs

Arrowroot Amer., Powd., bbls	10	10 1/2	Burdock Root, bags	.09 1/2	.10	Cassia Batavia, No. 3 bales	.09 1/2	.10
Hermada, bbls			Seed bags		.50	China, Select rolls cases	.08	.08 1/2
St. Vincent Powd. bbls	12 1/2	.13	Gross Pitch dom 110 stands			Broken, bales	.08 1/2	.08 1/2
Asafetida, USP, 250 lb cases	.28	.30	Gross for net	.08	.08 1/2	Saigon, Cut thls	.27 1/2	.28
Powd., 50 lb bbs	.44	.50	Imported	.11	.12	Buds, cases	.23	.22 1/2
BALM GILEAD BUDS, bags	.40	.45	Calabar Beans bags	.45	.60	Cassia Fistula, baskets	.07	.06
Balmory Herbs, bales		.15	Calamus Root, bleached, cases	.45	.50	Castile Soap, USP, powd., 200 lb		
BALSAMS			Unbleached bags	.06 1/2	.07	bars	.30	.32
Copaiba, Para 80 lb es	.42	.45	Calendula Petals Imp bales	.85	.90	Powd., USP, 200 lb bbls	.30	.33
South American 80 lb es	.46 1/2	.48 1/2	Calisaya Bark, bales powd	.24	.25	Castor Beans, bags	.03	.03 1/2
Fir Canada, cans	11.50	12.00	Camphor, see Chemicals			Catsup Herb, bales	.23	.26
Oregon bbls cases	1.00	1.20	Canary Seed, Morocco, bags	.06 1/2	.07 1/2	Catechu Gum bags	.11	.12
Peru, 120 lb cases	1.80	1.90	Spanish bags	.08 1/2	.08 1/2	Celery Seed bales	.21 1/2	.24
Tolu, 120 lb cases	1.15	1.25	South American, bags	.05 1/2	.06	Ceresin Wax, white bags	.12	.30
Bamboo Brier Root, bags	.06	.07	Dutch bags	.05 1/2	.06 1/2	Yellow, 200 lb bags	.10	.12
Barberry Bark, tree bales	.13	.15	Candellilla Wax, bags	.36	.38	Imp., 100 lb bags	.28	.38
Root, bags	.34	.35	Candella, Alba Bark, bales	.42	.45	CHAMOMILE FLOWERS, Roman		
Bayberry Bark, bales	.10	.10 1/2	Cannabis, true Imp., bags			cases bales	.30	.35
Wax bbls	.21	.22	American (no assay) bales	.22	.25	Hung cases bales	.20	.22
Belladonna Leaves, bales	.22 1/2	.28	USP	.30	.35	Charcoal, Willow powd bbls	.06	.06 1/2
Root bags	.17	.18	Cantharides, Chinese cases	.78	.80	Wood powd. bbls	.04	.05
Bees Wax, white cases	.60	.61	Powdered bags	1.00	1.15	Chestnut Bark, bags	.07	.08
Yellow, refined cases	.47	.48	Russian, cases	.60	.65	Herb, bales	.06	.06 1/2
Crude bags	.41	.46	Powdered boxes	.75	.80	Chicle Gum, 100 lbs	.75	.80
Benzoin Gum, Giam, boxes	1.60	1.45	Caraway Seed, African, bags	.07 1/2	.08	Chiretta bales	.07	.10
Sunatra 80 lb boxes	.35	.40	Dutch, 11 lb bags	.06 1/2	.06 1/2	Cinchona Bark, red quill bales		
Berberis Aquifolium Root, bags	.11 1/2	.12	Cardamom, bleached cases	2.65	3.00	20 inch	.75	.80
Beth Root, bags	.23	.25	Decorticated cases	1.70	1.80	10 inch	.65	.70
Bitter Root, 100 lb bags	.25	.26	Green, grinding bags	1.15	1.25	Broken cases red	.25	.29
Blackhaw Bark, root bales	.28	.29	Carnauba Wax, Flor., bags	.50	nom.	Yellow	.24	.25
Tree, bales	.16	.16 1/2	Powd.	.50	nom.	Cinnamon, Ceylon No 1, bales	.52	.53
Black Indian Root, 100 lb bags	.25	.30	No. 1, Yellow bags	.48	.49	No. 2, bales bond	.50	.51
Blood Root, bags	.13	.14	No. 2, regular bags	.43	.44	No. 3, bales	.47	.48
Blueflag Root, bags	.26	.27	No. 2, N Country bags		nom.	Civet, Abyssin horns	2.35	2.50
Poldo Leaves, bales	.19	.22	No. 2, N Country bags	.36	.38	Clover Tops bags	.16	.17
Bonset Herb, bales	.08	.08 1/2	No. 3, chalky bags	.36	.38	Cinnamon, Ceylon Nol, bales	.52	.53
Leaves, bales	.09	.10	So-called bales	.70	.72	Amboyas, bales		nom.
Borage Flowers, bales	.17	.19	Cascara, Sagrada, bales			Penang, bales	.42	nom.
Bryonia Root, bags	.11	.12	1923 bark	.18	.30	Cochineal, Black	.65	.67
BUCHU LEAVES, short, 250 lb			1924 bark	.15	.18	Silver	.69	.70
bales	.46	.50	1925 bark	.14	.15	Joca Leaves, Huanuco bags		
Less bales	.50	.52	Cascara Amarga 150 lb bales	1.25	1.50	Turillo, bags		
Long bales			Cascarilla Bark, quills, bales	1.20	1.25	Cobob Root, Black bags	.07 1/2	.08 1/2
Buckbean Leaves, bales	.12	.15	Siftings bbls			Blue, bags	.08 1/2	.10
Buckthorn Bark, bags	.06	.07	Cassia Batavia No. 1, bales	.11 1/2	.12	Calchicum Root, bags	.08 1/2	.07
Berries	.60	.65	Shortstick bales	.10 1/2	.11	Seed, bags	.17	.20
						Colocynth, Pulp USP, bales	.34	.35



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## Crude Drugs

Coltsfoot Leaves, bags .....	.11	.14	Elecampane Root, bags .....	.07½	.08½	Guarana, time cases .....	.65	.80
Comfrey Root, bags .....	.12	.13	Elder Flowers, bags .....	.10	.11	GUM, see Arabic Gum, etc .....		
Condurango Bark, bags .....	.13	.13½	Elemi Gum, 85 lb cases .....	.20	.21	HELLEBORE ROOT .....		
Conium Herb, bags .....	.11	.12	Elm, bark select 5 lb bundle cases .....	.23	.25	Black, bbls .....	.05½	.06
Seed, bags .....	.10	.11	Grinding bags .....	.14½	.16	Powdered .....	.13	.15
Copaiba Balsam Para, See Balsams .....			Powdered, bbls .....	.22	.28	White, 250 lb bbls .....	.09	.10
Copal Gum .....	.12	.13	ERGOT, 150 lb 200 lb bags .....	1.20	1.35	Powdered .....	.12	.15
Coriander Seed, Bombay, bags .....	.06	.06½	Eucalyptus Leaves, bales .....	.05	.06	Helonias Root (unicorn false) .....		
Morocco, bags .....	.04½	.05½	Euphorbia Pilulifera Herb bags .....	.08	.09	bags .....	.60	.65
Bleached bags .....	.08	.08½	Euphorbium Gum, cases .....	.23	.27	Hemp Seed, bags .....	.04½	.05
Corn Silk bales .....	.05½	.06	Powdered boxes .....	.28	.30	Henbane Leaves, bales USP, .....	.26	.27
Cotton Root Bark bales .....	.13½	.14½	Fennel Seed, French bags .....	.08½	.09	No. assay .....	.24	.26
Cowhage, oz. tins .....	1.50		German bags .....	.11½	.12	Henna Leaves, bales .....	.10	.11
Cramp Bark, so called bales .....	.06½	.07	Indian bags .....			Powdered .....	.13	.13½
True, bags .....	.30	.32	Fenugreek Seed, 200 lb bags .....	.05	.05½	Honey, Calif., 120 lb cases .....	.11	.12
Cranesbill Root, bags .....	.09	.10	Fish Berries, 100-125 lb bags .....	.06	.07½	Hops, NY prime bales .....	.23	.30
CUBEBS BERRIES XX bags .....	.58	.60	Flax Seed, whole 180 lb bbls .....		14.75	Pacific Coast prime bales .....	.25	.27
Powdered, bxs .....	.63	.65	Ground 180 lb bbls .....	.08	.08½	Horehound Herb, bales .....	.08	.09
Culvers Root, bags .....	.18	.20	Fringe Tree Bark, bags .....	.22	.23	Horse Nettle, Berries, bags .....	.35	.55
Cumin Seed, Malta bags .....	.10½	.10¾	Fumigating Pastilles Black 1 lb .....			Horsetail Rush, bags .....		.15
Morocco bags .....	.09½	.10	bags .....	.40	.42	Hydrangea Root, bales .....	.09	.10
Cuttlefish Bone, Trieste, straps .....	.12½	.13	Red, 1 lb boxes .....	.45	.50	India Gum, see Karaya .....		
Jewelers large, straps .....		.50	GALANGAL ROOT, bags .....	.09	.10	INSECT FLOWERS open whole .....		
Small, straps .....		.25	Galbanum Gum, cans .....		1.35	Bales .....		
French straps .....	.12½	.15	Gambier Gum, bbls .....		.10½	Powdered .....	.24	.25
Powdered boxes .....	.08	.09	Gamboge Gum, 100 lb cases .....	.95	1.05	Closed whole bales .....		
Broken boxes .....		.07	Powdered cases .....	1.05	1.10	Powdered pure 200 lb bbls .....	.28	.30
Damar Gum, Batavia, 136 lb cs .....	.25	.28	Gelsemium Root, bgs .....	.09½	.10	Ipecac Root, Cartagena bags .....	3.20	3.25
Singapore No. 1 cs .....	.39	.40	Gentian Root, bags .....	.07½	.08	Powdered 200 lb bbls bxs .....		3.55
Damiana Leaves, bales .....	.40	.45	Ground, bbls, boxes .....	.11	.12	Rio Whole, bags .....		
Dandelion Root, Imp, bags .....	.17	.18½	Powdered boxes .....	.11	.12	Powdered 200 lb bbls bxs .....	3.60	3.65
Deer Tongue Leaves bales .....	.20	.25	Ginger African bags .....	.14½	.15	Isinglass American, 130 lb cs .....	.80	.90
Digitalis Leaves, bales .....	.22	.25	Jamaica grinding bags bbls .....	.15½	.16	Russian (Beluga) bxs ctns .....	4.00	4.50
Dill Seed, bags .....	.07	.08	Japan, bags .....	.20	.21	JABORANDI LEAVES, bales .....	.09	.10
Cleaned bags .....	.15	nom.	Cochin, ABC, & Lemon bgs .....	.15	.16	Jalap Root, whole 150 lb bags .....	.24	.30
Dogwood Bark, Jamaica bags .....	.09½	.10	Ginseng Root, cultivated bags .....	8.00	10.00	Powdered, USP, 250 lb bbls .....	.32	.36
American, bales .....	.07	.08	Northwestern Wild, bags .....	12.00	14.00	Japan Wax, 224 lb cs .....	.17½	.18
Doggrass Root, USP, cut bags .....	.11½	.12	Northern Wild, bags .....	8.50	10.00	Job's Tears, White bags .....	.12	.13
Dragons Blood, mass cases .....	.70	.75	Golden Seal Root bags .....	5.50	6.00	Juniper Berries, 125 lb bags .....	.06	.06½
Reeds, boxes .....	.95	1.00	Powdered boxes .....		6.00	Sifted bags .....		.06
ECHINACEA, Root bags .....	.30	.33	Herb bls .....		1.25	KAMALA, USP, boxes .....		1.00
			Grains of Paradise, bags .....	.14	.15	Karaya Gum, powdered bbls .....	.10	.25
			Grindella Robusta Hedb bales .....	.09	.09½			
			Guaiac Gum, 80 lb cases powd. .....	.33	.40			
			powd. .....		.50			

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## Crude Drugs

Kauri Gum No. 1 .....	.68	.70	Marjoram Leaves, French, bales lb	.45%	.46%	Opium, Powdered, USP, cases.....	13.00	14.00
Kava Kava Root bags .....	.16	.17	Chilian, bales .....	.36	.37	Orange Flowers, cases .....	.35	1.25
Kino Gum, black cases .....	.50	.55	Mastic Gum, 120 lb cans .....	.48	.50	Peel, bitter, bags .....	.07	.08
Kola Nuts, 150 lb bags .....	.06	.06%	Matico Leaves, bales .....	.48	.55	Sweet bags .....	.10	.11
Kousoo Flowers, bags .....	.50	1.25	Mesereon Bark, bags .....	.11	.12	ORRIS ROOT, Florentine bld bgs lb	.08%	.09
LADY SLIPPER ROOT, bags.....	.45	.50	Millet Seed, dom., yellow bags lb	.03%	.04	Powdered 200 lb bbls.....	.12	.13
Larkspur Seed, bags .....	1.85	1.85	Montan Wax, crude bags .....	.06%	.07	Verona, bags .....	.08	.08%
Laurel Berries bags .....	.08	.09	Bleached bags .....	.25	.28	Powdered 200 lb bbls lb	.11	.12
Leaves, Greek bags .....	.05	.05%	Moss, Iceland, bales .....	.08	.08%	Fingers, cans .....	.60	.65
Italian bales, .....	.04%	.05	Triph, bleached, bales .....	.12	.13	Oskokite Wax, brown hard bags lb	.34	.35
American, bales .....	.25	.35	Mullein Flowers, tins .....	.90	1.35	Green, hard bags .....	.30	.31
Lavender Flowers, ordinary .....	.38	.30	Musk, pods, carbadine, tins .....	..	..	Edined, yellow, bags .....	..	.97
Selected .....	.37	.38	Tonquin tins .....	24.00	26.00	PAPRIKA, bags .....	.18%	.25%
Leeches tubs .....	3.00	3.25	Grain Cab tins .....	..	..	Fareira Brava Root, bags .....	.11	.13
Lemon Peel, bags .....	.07%	.08	Tonquin tins .....	36.00	44.00	Parsley Seed, bags .....	.15	.17
Licorice Root, Russian whole bld. lb	.12	.13	Synthetic, see Chemicals	..	..	Patchouli, Leaves bales .....	.19	.20
Spanish, natural bales .....	.07%	.07	Musk Root, Russian bgs. ....	.70	.72	Pellitory Root, bales .....	.15	.16
Powdered, bbls .....	.08%	.10%	Mustard Seed Bari brown bags ..	.11%	.12	Pennyroyal Herb 100 lb bgs .....	.08	.09
Selected, 2 & 5 lb bundles ..	.13	.14	Bombay, brown bags .....	.07%	.08	Leaves, 100 lb. bgs .....	.20	.21
Cuttings 125 lb bags .....	.06%	.07	California, brown bags .....	.09%	.10%	Pepper black, Sing bags .....	.30	.32
Turkish, 150 lb bales .....	.05	.06	Yellow bags .....	..	.11%	White bags .....	.34%	.35
Ume Juice, clarified bbls.....gal	.60	.65	Chinese, yellow bags .....	.05%	.06%	Aleppy, bags .....	.25%	.26
Linden Flowers with leaves, bales lb	.12	.15	English Yellow bags .....	.13	.13%	Lempong bags .....	.25	.25%
Without Leaves, bales .....	.21	.25	Dutch, yellow bags .....	.12%	.13	Tellecherry, bags .....	.29	.29%
Lobelia Herb, bales .....	.36	.40	Danish, yellow bags .....	.08%	.09	Muntok, bags .....	.35%	.36
Seed, bags .....	.60	.70	Myrrh Gum, select, 200 lb cs .....	.24	.27	Red Chillies Java No. 1, bgs lb	.14	.14%
Lorag Root, Imported bags .....	.18	.25	Sorts, cases .....	.20	.24	Bombasa, bags .....	.10%	.10%
Lupulin, N.F. tins .....	1.70	1.75	NUTGALLS, Chinese, bags .....	.17	.18	Capsicum, Bombay, bags .....	.10%	.10%
Banda, No. 1 cases .....	1.00	1.05	Aleppy bags .....	.25	nom.	Peppermint leaves, imp., bales ..	..	.60
Lycepodium, 88 lb cs .....	.90	.95	Powd. bags .....	.23	.24	Domestic .....	.34	.40
MACE, Siam, No. 1 .....	1.02	1.03	Nutmegs, 110s cases .....	.50	.51	Herb bld .....	.16	.20
Banda, No 1, cases .....	1.10	1.12	75s, 80s, cases .....	.53	.53%	Peru Balsam, see Balsam	..	..
Batavia, No. 2 cases .....	.86	.86%	Grinding, bags .....	.48	.49	Pichi Leaves, bags .....	.18	.18
West India, cases .....	.93	.94	Nux-Vomica Buttons, bags .....	.04%	.06	Pimento Select, bags .....	.15	.15%
Malva Flowers, blue bales .....	.40	.45	Powdered, 200 lb bbls .....	.07%	.10	Pink root, true bags .....	.60	.67
Black, bales .....	.65	nom.	OAK BARK, red bags .....	.04%	.05%	Pitch, Burgundy, see Burgundy Pitch	..	..
Manuca Root, bales .....	.18	.20	White, bags .....	.06	.07	Plantain Leaves, bales .....	..	.12
Manna, large flake cases .....	.60	.64	Olibanum Gum, Sift 280 lb cases lb	.10	.11	Pleurisy Root, bags .....	.19	.20
Small flake cases .....	..	.80	Tears	..	..	Poke Berries, bags .....	.15	.17
Sorts, cases .....	..	.80	No. 1, all white 280 lb	.22	.23	Root, .....	.09	.10
Mandrake Root, bags .....	.12	.14	cases	..	..	Pomegranate Bark, of root bags lb	..	.30
Marjoram Leaves, German bales lb	.48	nom.	No. 2, 280 lb cases .....	.16	.17	Of Fruit bags .....	..	.23
African, bales .....	..	..	No. 3, 280 lb cs .....	.11	.13	Of Tree .....	..	.25
			Opium, gum, USP, cases .....	12.00	13.00	Poppy Flowers, red bags .....	.60	.65
			Granular, cans .....	13.00	14.00	Head .....	.42	.45

### COAL TAR DISINFECTANT

All Coefficients

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## Crude Drugs

Poppy Seed, Dutch bags .....	lb	.15½	: .16½	Savory Leaves, bales .....	lb	.09	: .09½	Spruce Gum, boxes .....	lb	1.00	: 1.10
German bags .....	lb	.09½	: .10	Saw Palmetto Berries bags .....	lb	nom.		Squaw Vine, bales .....	lb	.16½	: .19
Turkish, bags .....	lb	.08½	: .09½	Scammony Resin, boxes .....	lb	1.35	: 1.50	Squills, white .....	lb	.05½	: .05½
Blue Indian, bags .....	lb	.10½	: .11½	Root bags .....	lb	.07½	: .08½	Powdered bulk .....	lb	.12	: .15
White Indian bags .....	lb	nom.		Senega Root, bars .....	lb	.67	: .68	Stavesacre Seed, bags .....	lb	.25	: .27
Prickly Ash, Bark, Southern, bags lb		.14	: .15	SENNA, Alex 150 lb cases .....	lb	.22	: .23	Sticklac, 250 lb bales .....	lb	nom.	: .20
Northern bags .....	lb	.18	: .20	Half Leaf, 150 lb cases .....	lb	.13	: .15	Stillingia Root, bags .....	lb	.11	: .12
Berries bags .....	lb	nom.		Siftings, 400 lb bales .....	lb	.11	: .12	Stone Root, bags .....	lb	.09	: .10
Prince's Pine, bales .....	lb	.16	: .17	Powdered, 200 lb bbls .....	lb	.13	: .14	St. Ignatius Beans, bags .....	lb	.13	: .14
Pulsatilla Herb, bags .....	lb	.11	: .12	Tinnevely, Bold, 350 lb bbls .....	lb	.10	: .11	St. John's Bread bags .....	lb	nom.	: .07½
Pumpkin Seed, bags .....	lb	.17	: .19	Small Leaf .....	lb	.07	: .08	Stramonium Leaves, bales .....	lb	.13	: .13½
QUASSIA CHIPS, bags .....	lb	.06½	: .08	Powdered, 200 lb bbls .....	lb	.10	: .12	Seed bags .....	lb	.08	: .09
quebracho, bk., 125 lb bbls .....	lb	nom.		Pods, 350 lb bales .....	lb	.12½	: .15	Strophanthus Seed, Hispidus .....	lb	nom.	
Queen of the Meadow Herb .....	lb	nom.		Serpentaria Root, bags .....	lb	.80	: .85	Kombe bags .....	lb	1.10	: nom.
Root, bgs., .....	lb	nom.		Shellac, D. C. bags .....	lb	.65	: .66	Styrax, liquid arif. .....	lb	.35	: .46
Quince Seed, bags .....	lb	.75	: .80	V. S. O. bags .....	lb	.65	: .66	Gen. USP .....	lb	.35	: .45
Cape bg. .....	lb	.85	: .90	Diamond 1 bags .....	lb	.65	: .66	Sunflower Seed, domestic bags .....	lb	.05½	: .06
RAPE SEED, South Amer., bags lb		.06	: .07	Superfine, Orange bags .....	lb	.37	: .38	South American, bags .....	lb	.95	: .95½
Dutch, bags .....	lb	.06½	: .08½	Fine, bags .....	lb	.36	: .37	TAGALDER BARK, bags .....	lb	.05	: .08
Japanese small bags .....	lb	.07½	: .08	T. N. bags .....	lb	.33	: .34	Tamarinds, bbls .....	lb	.06½	: .07
Raspberries, dried bbls .....	lb	1.45	: 1.50	Garnet, A. C. .....	lb	.34	: .36	Kegs .....	per keg	3.75	: 3.80
Red Saunders, bags .....	lb	.08½	: .09	Button bags .....	lb	.72	: .75	Tansy Herb, bales .....	lb	.13	: .14
Rhatany Root bags .....	lb	.11	: .12	Bone Dry, bbls .....	lb	.42	: .44	Tar, Barbadoes, 50 gal bbls .....	lb	1.40	: 1.45
RHUBARB, Root H.D. cases .....	lb	.35	: .40	Sideritis Herb, cut bags .....	lb	.15	: .18	Thus Gum, 280 lb bbls .....	lb	.11½	: .13
Powd., bbls .....	lb	.40	: .42	Simaruba Bark, bales .....	lb	.08	: .09	Tilia, see Linden			
Rosemary Leaves bales .....	lb	.05½	: .10	Skullcap Leaves, Eastern bales .....	lb	.42	: .43	Thyme, Spanish bales .....	lb	.08½	: .09
Flowers, cases bales .....	lb	.35	: .40	Western bales .....	lb	.24	: .26	French, bales .....	lb	.08½	: .09
Rose Petals pale .....	lb	.24	: .28	Skunk Cabbage Root, bales .....	lb	.13	: .16	Tolu Balsam, see Balsams			
Red .....	lb	1.75	: 2.25	Snake Root, Canada, natural bags .....	lb	.29	: .32	Tonga Bark, bags .....	lb	nom.	
Rue Herb, bales .....	lb	.18	: .20	Stripped bags .....	lb	.65	: .70	Root tis .....	lb	nom.	
SABADILLA SEED, bags .....	lb	.22	: .25	SOAP BARK, whole, 150-200 lb				Vine bbls .....	lb	1.25	: 1.30
Powdered bbls .....	lb	.26	: .28	bales .....	lb	.10	: .12	Tonka Beans, Angostura, cases .....	lb	2.00	: 2.10
Saffron Flowers Amer bales .....	lb	.45	: .50	Cut, 125-175 lb bags .....	lb	.09½	: .10½	Para, cases .....	lb	nom.	
Valencia, 1 lb cans .....	lb	25.00	: 26.00	Crushed 200 lb bbls .....	lb	nom.	: .11	Surinam, cases .....	lb	.85	: .90
Sage, Dalmatian bales .....	lb	.05	: .05½	Powdered, bgs bbls .....	lb	.12½	: .14	Tragacanth Gum, No. 1 ribbon			
Greek, bales .....	lb	.02½	: .03½	Peppermint Leaves, American bales lb		.24	: .25	100 lb cs .....	lb	1.65	: 1.70
Spanish bales .....	lb	.03	: .03½	Herb, bales .....	lb	nom.	: .17	No. 2 .....	lb	1.35	: 1.55
Sandalwood, chips, bags .....	lb	.15½	: .16	Spermaceti, blocks, cakes cases lb		.38	: .42	No. 3 .....	lb	1.30	: 1.40
Ground, bags .....	lb	.21	: .22	Domestic .....	lb	.41	: .43	Powdered, 50 lb boxes .....	lb	.90	: 1.00
Sandarac Gum, 300 lb bbls .....	lb	.34	: .36	Spikenard Root, bags .....	lb	.15	: .17	Turkish, cases .....	lb	.45	: .90
Sarsaparilla Root, Honduras, bales lb		.68	: .70								
Mexican .....	lb	.28	: nom.								
Sassafras Bark, ordinary bales .....	lb	.15	: .17								
Select, bales .....	lb	.26	: .29								



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CHICAGO—CLEVELAND—BROOKLYN

## Essential Oils

Turmeric Root, Madras bags	lb	.08½	.08¾
Aleppy bags	lb	.08½	.09
Powdered	lb	.13	.14
China, bags	lb	.09	.09¾
Turpentine, Venice true 80 lb cs	lb	.28	.32
Artificial, 80 lb cases	lb	.19	.20
Spirits, see Naval Stores			
UNICORN ROOT, false, see Helonias			
True, see Aletris			
Uva Ursi Leaves, bales	lb	.05	.05¾
VALERIAN ROOT, Belgian bags	lb	.48	.50
USP.	lb		.30
Vanilla Beans Mex., whole case	lb	5.50	10.00
Cuts, cases	lb	5.00	6.50
Bourbon, cases	lb	3.00	3.75
South American, cases	lb	3.25	3.75
Tahiti, yellow label cases	lb	2.50	2.75
Green Label, cases	lb		
Vetiver Root, 100 lb bags	lb	.25	.26
Violet Flowers, bags	lb	.70	.72
Wahoo Bark, of root bags	lb	.68	.70
Of Tree, bags	lb	.30	.32
White Pine Bark, rose, bags	lb	.07	.07¾
White Poplar Bark, bags	lb	.06	.07
Wild Cherry Bark, thin green			
Rosined, bales	lb	.12	.13
Thick Rosined, bales	lb	.06¾	.07
Thin Natural, bales	lb	.07¾	.08
Thick Natural, bales	lb	.06¾	.10
Willow bark, bags	lb		.07
White, bags	lb		.15
Witch Hazel Bark, bgs	lb	.06¾	.08
Leaves, bales	lb	.08	.09
Worm Seed, American bags	lb		.19
Lewist, bags	lb	3.25	3.50
Wormwood Herb, imported bales	lb		.10
Yacca Gum, red	lb	.03¾	.04
Ground	lb	.06	.06¾
Yellow Root (Zanthoxis) bgs	lb	.16	.17
YELLOW DOCK ROOT, bags	lb	.10¾	.11
Yellow Parilla Root, bags	lb	.16	.17
Verba Mate bags	lb	.22	.30
Verba santa, bags	lb	.09¾	.10
Zedoary Root, bags	lb	.06	.08

### Essential Oils

Almond, Bitter, USP, 5 lb bot	lb	3.00	3.25
Bitter ff PA 5 lb bots	lb	3.15	3.35
Sweet, 56 lb cans	lb	.95	1.00
Amber, crude 25 lb tins	lb	.95	.60
Rectified, 25 lb tins	lb	.75	.82
Angelica Root, 1 lb bot	lb	25.00	30.00
Anise Tech., 66 lb case	lb	.65	.68
USP, 60 lb cans	lb	.67½	.70
Apricot, Kernel 50 lb cans	lb	.60	.70
Bay, 25 lb tins	lb	2.15	2.25
Terpeneless	lb	6.00	6.50
Bergamot, 25 lb coppers	lb	7.00	7.50
Terpeneless	lb	10.00	14.00
Artificial, 25 lb cans	lb	2.00	4.00
Birch Tar, rect., 5 lb bot	lb	.50	.60
Crude, 50 lb tins	lb	.20	.25
Bois de Rose, tins	lb	3.15	3.50
Cade, 25 lb cans	lb	.28	.27
Cajuput native 50 lb tins	lb	.70	.75
Calamus, 5 lb bot	lb	3.50	3.75
Camphor, Sassy 1,000 lb drs	lb	.14¾	.16¾
White 1000 lb drs	lb	.11¾	.12
Cans, 50 lbs	lb	.14	.14¾
Cananga, Native, 25 tins	lb	3.20	3.25
Rectified, 25 lb tins	lb	3.50	3.65
Caraway, USP	lb	1.50	1.70
Cardamom, USP, 1 lb bot	lb	30.00	32.00
Carrot, 5 lb bot	lb	5.25	5.75
Cascarilla, USP, 1 lb bot	lb	50.00	52.00
CASSIA, 80-85% 400 lb drs	lb	2.25	2.30
Redistilled USP, 50 lb cans	lb	2.75	2.80
Cedar Leaf, 50 lb tins	lb	.90	1.00
Cedar Wood, light, 1,000 lb drs	lb	.25	.27
Celery, 1 lb bot	lb	9.50	10.00
Chaulmoogra, 80 lb cases	lb	.85	.90
Cinnamon Ceylon, 1 lb bot	lb	10.50	11.00
Leaf, 5 lb bot	lb	1.40	1.50

### CITRONELLA, Ceylon

1,000 lb drums	lb	.45	.47
50 lb tins	lb	.47	.49
Java, 400 lb drums	lb	.75	.80
50 lb tins	lb	.85	.90
Cloves, USP, 50 lb cans	lb	1.85	2.00
6 lb bot	lb	1.90	1.95
Copaiba	lb	.40	.45
Coriander, USP, 1 lb bot	lb	6.75	8.00
Croton, USP, 25 lb tins	lb	.90	1.00
Cubets, USP, 5 lb bot	lb	4.40	4.50
Cumin, 1 lb bot	lb	10.50	11.00
Dill, 25 lb cans	lb	4.00	4.25
Erigeron 20 lb tins	lb	6.25	6.50
EUCALYPTUS, Austral. USP,			
56 lb cs	lb	.55	.56
500 lb drums	lb	.54	.56
Fennel, USP, 25 lb tins	lb	.80	.85
Geranium, African 25 lb cans	lb	3.25	3.30
Bourbon, 25 lb tins	lb	3.00	3.30
Turkish, 25 lb tins	lb	3.25	3.50
Ginger, 1 lb bot	lb	8.50	9.25
Gingergrass, 25 lb tins	lb	2.50	2.75
Hemlock, 25 lb tins	lb	.85	.95
Juniper Berries, USP, 25 lb tins	lb	2.75	4.50
Wood, 50 lb tins	lb	.50	.70
Lavender USP, 25 lb tins	lb	4.75	5.00
Spike Spanish, 50 lb cans	lb	1.10	1.50
LEMON, Ital., USP, 25 lb cans	lb	2.60	2.90
Terpeneless	lb	18.00	22.00
American, USP, 25 cans	lb	3.15	3.20
Lemongrass, native 50 lb cans	lb	1.10	1.20
Limes, expressed, 25 lb tins	lb	8.50	9.00
Distilled, 25 lb tins	lb	6.00	6.50
Linaloe Mex., 80 lb cases	lb	2.90	3.25
Mace, distilled, 50 lb tins	lb	1.75	1.80
Mirbane, ref., Aromatic Chemicals			
Mustard, USP, 1 lb bot	lb	14.00	14.25
Artif., USP, 5 lb bot	lb	2.10	2.25
Neroli, Bigarade ½ & 1 lb bot	lb	75.00	100.00
Petal, 1 lb bot	lb	100.00	125.00
Artificial, 1 lb bot	lb	10.00	20.00

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## Essential Oils

Nutmeg, USP, 25 lb tins	1.75	1.80
Orange, bitter, 25 lb tins	2.70	2.85
Sweet W Ind 25 lb tins	2.75	2.80
Italian 25 lb cop	3.15	3.20
American 25 lb tins	2.90	3.00
Distilled, 25 lb tins	1.75	1.85
Spanish 25 lb tins	...	3.60
Origanum, 50 lb cans tech.	.25	.28
Parsley, 1 lb bot	6.50	8.50
Patchouli, 5 lb bot	6.25	6.50
Pennyroyal, dom., 25 lb tins	2.50	2.75
Imported, 25 lb tins	2.40	2.50
PEPPERMINT, nat 60 lb case	16.25	17.00
drums	...	15.50
Redis., USP, 60 lb cases	17.25	19.00
Petit Grain, S.A. 25 lb tins	2.25	2.40
French, 1 lb bot	6.50	7.00
Italian 25 lb tins	2.20	2.30
Pimento, 25 lb tins	4.85	5.00
Pinus Sylvestris 25 lb tins	1.40	1.75
Pumilio, USP, 25 lb tins	2.25	2.50
Rose, Fr., 8, 16, & 32 oz pkgs	9.00	9.50
Bulg., 8, 16, & 32 oz pkgs	10.25	13.00
Artificial, 1 lb bot	2.00	2.75
Rosemary, USP, 27 1/2 lb tins	.47 1/2	.52 1/2
1000 drums	.45	.47
Tech., 27 1/2 lb tins	.37 1/2	.38
Rue, 1 lb bot	...	4.00
Sandalwood E Ind USP, 100 lb Case	7.10	7.25
W. Indian (Amayria) 25 lb tins	1.85	2.00
Sassafras, USP, 50 lb cans	.80	.85
Artificial, 1000 lb drs., 60 lb cans	.27	.29
Savin, 50 lb tins	2.00	2.15
Spearmint, USP, 50 lb tins	8.75	9.50
Spruce, 50 lb tins	.85	.87
Tansy, Amer., 20 lb tins	6.50	7.50
Tar, 50 gal bbls	.25	.30
C.S.P. 50 gal bbls	...	.75
Thyme, red, USP, 25 lb tins	.80	.85
White, USP, 25 lb tins	.95	1.00
Tech., 110 lb drums	.85	.70

Vetiver, Bourbon, 10 bot	18.00	20.00
Indian, 1 lb bot	30.00	40.00
Java, 1 lb bot	20.00	22.00
Wine, heavy, 1 lb bot	...	1.50
WINTERGREEN		
Sweet bch., 25 lb tins	3.00	4.50
Southern, 25 lb tins	1.85	2.00
Gaultheria, true 25 lb tins	7.00	8.00
Southern, 25 lb tins	3.75	4.00
Synthetic, see Methyl Salicylate		
Wormseed, Balt., USP, 25 lb tins	5.75	6.00
Wormwood, dom., 25 lb tins	7.00	7.30
Ylang Ylang Bourbon 10 lb tins		
No 1	8.00	9.00
No 2	6.00	7.00
Manila, 1 lb bot	35.00	40.00

### OLEORESINS

Aspidium, USP, bot and tins	2.00	2.25
Capicum, USP, bot and tins	2.00	2.25
Cubeb, USP, bot and tins	3.50	3.75
Ginger, bot and tins	3.50	3.75
Malefern, See Aspidium		
Orris, bot. and tins	15.00	18.00
Pepper black USP, bot. and tins	4.50	4.75
Vanilla, bot. and tins	9.50	12.75

## Aromatic Chemicals

### NATURAL DERIVATIVES

Anethol, 2 lb bot	1.40	1.75
Borneol, 1 lb bot	2.50	2.60
CITRAL, 25 lb cans	2.75	3.00
Citronellal 1 lb bot	2.50	3.00
EUCALYPTOL, USP, 50 lb cans	1.00	1.10
Eugenol, USP, 25 lb cans	2.75	3.00
Geraniol, Domestic, 50 lb cans	3.00	3.25
Imported, 5 lb bot	3.25	3.50
Iso-Eugenol 1 lb bot	4.25	4.50
Imported	3.85	3.90

Linalool, 5 lb bot	6.00	6.25
From Bois de Rose 5 lb bot	6.00	6.25
MENTHOL, 60 lb cases	5.70	5.80
less cases, 5 lb cans	5.80	5.85
Rhodinol, 1 lb bot	16.00	20.00
Extra, 1 lb bot	35.00	42.00
SAFROL, drums	.30	.31
60 lb cans	.32	.33
Thymol, USP, 25 lb tins	4.25	4.50

### SYNTHETIC AROMATICS

Acetophenone, CP, 1 lb bot	3.50	3.75
Aldehyde, C-8 (Octyl) 1 lb bot	45.00	60.00
C-9 (Nonyl), 1 lb bot	70.00	75.00
C-10 (Decyl) 1 lb bot	50.00	58.00
C-12 (Dodecyl), 1 lb bot	27.50	32.50
C-14, 1 lb bot	22.50	25.00
C-16, 1 lb bot	70.00	80.00
Auopine, see Anisic Aldehyde		
Amyl Acetate, pure 5 gal cans gal	4.75	5.50
Butyrate, 1 lb bot	2.00	2.25
Cinnamate, 1 lb bot	5.00	5.25
Formate 1 lb bot	2.00	2.25
Phenyl Acetate, 1 lb bot	4.50	5.00
SALICYLATE, dom. 100 lb chys	1.25	1.30
Imported	2.25	2.50
Valerate, 5 lb bot	2.75	3.00
Anisic Aldehyde 1 lb bot	3.25	3.50
BENZALDEHYDE USP 40 lb chys	1.25	1.35
FFC, 40 lb chys	1.60	1.75
Imported, USP	...	1.40
Benzole Ether, See Ethyl Benzoate		
Benzophenone 1 lb bot	4.50	5.00
Benzyl Acetate 100 lb chys	1.25	1.30
Alcohol, 5 lb bot	1.25	1.35
BENZOATE 5 lb bot	1.25	1.35
Medicinal FFC	1.45	1.60
Butyrate, C.P. 1 lb bot	4.00	4.50
Cinnamate 1 lb bot	9.50	9.75
Formate, 1 lb bot	3.00	3.25

**Benzyl Benzoate**

**Benzyl Alcohol**

**Benzyl Acetate**

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## Aromatic Chemicals

Benzyl Propionate 1 lb bot	4.00	4.25	Iso-Safral 1 lb bot imp	3.75	4.00	TERPINEOL, CP., 1000 lb dr	.30	.32
Valerate 5 lb bot	7.50	8.00	Domestic 5 lb bot	3.50	3.75	Cans, 50 lb	.32	.35
Bornyl Acetate, 1 lb bot	3.25	3.50	Linalyl Acetate, 1 lb bot	8.00	9.50	Absolute, 25 lb cans	.50	.60
Bromstyrol, 25 lb cans	4.25	4.75	Benzoate, 1 lb bot	13.00	14.00	Imported, 25 lb cans	.36	.38
Butyl Anthranilate 1 lb bot dom	16.00		Formate, 5 lb bot	10.50	12.00	VANILLIN, USP, 500 oz cans	.49	
Butyric Ether, See Ethyl Butyrate			Methyl Acetophenone	3.75	4.00	Cans, 16 ozs, 80 ozs	.50	.51
Cinnamic Acid, 5 lb cans	3.25	3.50	ANTHRANILATE dom., 1 lb bot	2.50	3.25	Second Hand	.45	.48
Alcohol, liquid 1 lb bot	4.80	5.00	Imported	2.50	3.00	Valerianic Ether, See Ethyl Valerate		
Crystallizable	7.00	8.00	Benzoate, 5 lb bot import	2.00	2.25	Yara Yara, 1 lb cans	1.50	1.60
Aldehyde	3.00	3.20	Domestic, 5 lb bot	1.75	2.00	PERFUMERS' SUNDRIES		
CITRONELLOL, 1 lb bot	6.50	7.50	Cinnamate, 1 lb bot	3.75	4.25	Almond Meal, 25 lb cans	.24	.25
Imported, 1 lb bot	7.75	9.00	Heptenone, 1 lb bot	8.00	8.50	Amber, liquid 400 lb drs	2.20	2.30
Citronalyl Acetate, 1 lb bot	13.00	14.00	Paracresol, 1 lb bot	8.00	9.00	Ambergris, black bxs	18.00	20.00
COUMARIN, 25 lb cans	3.10	3.25	Phenylacetate 5 lb bot dom	3.75	4.00	Gray bxs	30.00	35.00
DIETHYL PHTHALATE, See Chemicals			SALICYLATE, USP, 500 lb			Balsam Copaiba, Para, 80 lb cases	.42	.45
Diphenyl oxide, 25 lb tins	1.15	1.25	drums			South American, 80 lb cases	.46 1/2	.48 1/2
Ethyl Acetate, pure, 5 lb bot	.45	.50	50 lb cases		.38	Peru, 120 lb cases	1.80	1.90
Benzoate, 5 lb bot	1.75	1.90	Mirbane, rect., 1000 lb drums	.10	.12	Tolu, 90 lb cases	1.15	1.20
Butyrate, 5 lb bot	2.00	2.20	Musk Ambrette, 1 lb cans	7.50	8.00	Benzoin Gum, Siam, bxs	1.10	1.45
Caproate, 1 lb bot	3.25	3.50	Ketone, 1 lb cans	10.00	11.00	Castoreum, 1 lb bot		12.00
Cinnamate, 1 lb bot	3.50	3.75	Xylene 5 lb cans	2.70	3.25	Chalk, precip., light, 175 lb bbls	.04 1/2	.05
Formate, 5 lb bot	1.00	1.25	Nerolin, 1 lb cans	1.50	1.60	Cherry Laurel Water, 5 gal cans gal	1.15	1.25
Ethyl-methyl Paracresol, 1 lb bot	3.25	3.50	Geraniol, 1 lb bot	2.25	2.30	Civet Abyssin horns	2.10	2.25
Ethyl Phenylacetate, 5 lb bot	3.75	4.00	Para-Cymene, Refd., 110 gal drs gal	2.25	2.50	Labdanum, 5 lb bot	7.50	8.00
Propionate, 1 lb bot	2.00	2.25	Phenylacetaldehyde, Dom.			Lanolin hydrous, 350 lb bbls	.15	.21
Valerate, 5 lb bot		3.75	1 lb. bot 50 pc	8.00	8.50	Anhydrous, 350 lb bbls	.18	.23
Salicylate, 5 lb bot	2.00	3.10	Imported, 50 p.c.	7.00	7.50	Musk pods, Carbardine, tins	.02	
Formic Ether, See Ethyl Formate			80-85 pc	13.00	15.00	Toouquin, tins	24.00	26.00
Geranyl Acetate, 1 lb bot	4.50	5.00	Phenylacetic Acid, 1 lb bot	3.00	3.25	Grains, Cabardine, tins		
Butyrate, 1 lb bot	13.00	13.50	Phenyl Diacetate, 1 oz bot	3.25	3.50	Toouquin, tins	36.00	44.00
Formate, 1 lb bot	12.00	12.50	1 lb bot	8.00	10.00	Synthetic, See Aromatic Chemicals		
Heliotropin, dom., 100-10 lbs	1.65	1.75	Imported	7.00	7.75	Orris Rt., Flor., powd bbls	.12	.13
Imported	2.00	2.25	Phenylethyl Alcohol, 1 lb bot	6.00	7.00	Verona, powd. bbls	.10	.11
Hydroxycitronellal, 1 lb bot	10.00	12.00	Phenylethyl Butyrate 1 lb bot	26.00	28.00	Petrolatum, snow white 350 lb bbls	.12 1/2	.13
Indol, C.P. 1 oz bot	3.50	4.00	Formate, 1 lb bot	19.00	21.00	Light Amber, 350 lb bbls	.04 1/2	.04 3/4
Ionone, 1 lb bot. 100%	6.75	7.00	Propionate, 1 lb bot	20.00	24.00	Rice Starch, 140 lb bgs	.09	.10
Alpha	7.50	10.00	Valerate 1 lb bot	25.00	29.00	Rose Water, 6 2-3 gal clys	1.00	1.25
Beta	8.00	8.50	Phenylpropylalcohol, 1 lb bot	15.00	16.00	Sandalwood chips powd, bags	.35	.40
Methyl	9.50	10.00	Skatol, 1 oz bot	4.50	7.00	Saponin, 5 lb tins	1.15	1.30
Iso-Butyl Benzoate 5 lb bot	2.75	3.00	Terpinyl Acetate 25 lb cans	1.25	1.35	Talc., Italian 220 lb bgs	60.00	80.00
			Imported, 25 lb cans	1.25	1.35	French 220 lb bags	40.00	45.00
						Domestic ref., 100 lb bags	14.00	15.00

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# Imports of Chemicals, Dyestuffs, Drugs, etc.

Imports at New York, March 15 to March 20, 1926

**ACID**—Cresylic, 27 drs., Order, Manchester; 2 drs., Order, Liverpool; **Stearic**, 15 bgs., A Klipstein & Co., Santiago; 250 bgs., 16 brls., K Mandell & Co., Antwerp; **Tannic**, 4 brls., E M Sergeant & Co., Hamburg.

**ALBUMEN**—2988 tins, Swift & Co., Shanghai; 52 cs., Wah Chang Trdg Corp., Shanghai; 112 flasks, D Antolini Co., Hankow; 20 cks., Intern Acceptance Bank, Hamburg; **Blood**, 30 cks., W A Ross & Bros., Hamburg; 10 cks., Amer Exch Pacific Nat Bk., Hamburg.

**AGAR AGAR**—5 bls., Otto Gerdan & Co., Kobe; 10 bls., T Shima, Kobe.

**ALUMINUM SULFATE**—37 brls., Bertrand & Co., Genoa.

**AMMONIUM—Carbonate**, 10 cks., Brown Bros & Co., Liverpool; **Muriate**, 25 cks., C De F Field & Co., Liverpool; **Nitrate**, 263 cks., Kuttroff Pickhardt & Co., Hamburg; **Persulfate**, 20 brls., Davies Turner & Co., London; **Sulfate**, 100 bgs., Irving Bank Columbia Trust Co., London.

**ANTIMONY—Oxide**, 250 bgs., Arnhold & Co., Hankow; **Regulus**, 250 cs., Anderson Meyer & Co., Hankow; 100 cs., Harshaw Fuller & Goodwin, Hankow; 1,000 cases, Arnhold & Co., Hankow; 37 cases, W G Smith & Co., Hankow; 250 cs., Anderson Meyer & Co., Hankow; 200 cs., C Hardy Inc, Shanghai; 500 cs., W R Grace & Co., Shanghai.

**BALSAM**—12 cs., Dodge & Olcott Co., Central American Ports; 33 cs., Order, Para.

**BARIUM—Nitrate**, 58 cks., Mavor Products Co., Hamburg.

**BARKS**—5 bls., Order, Trieste; 100 bgs., Peck & Velsor, Hamburg; 31 bgs., S B Penick & Co., Hamburg; **Orange**, 57 bgs., Order, Marseilles.

**BARYTES**—250 bgs., N Y Trust Co., Bremen.

**BAY RUM**—Denatured, 175 brls., Hudson Tea Co., St Thomas.

**BISMUTH MFTAL**—11 cs., Merck & Co., London.

**CALCIUM—Silicate**, 2 cans, Hyland Johns, Havre.

**CASEIN**—1,657 bgs., Brown Bros & Co., Buenos Aires; 2,001 bgs., Order, Buenos Aires; 278 bgs., Order, Hamburg.

**CHALK**—300 bgs., Amer Express Co., Antwerp; 5,500,000 kilos, Taintor Trdg Co., Dunkirk; 320,000 kilos, J W Higman Co., Dunkirk; 1,565 bgs., Nat City Bank, Antwerp; 875 tons, Taintor Trdg Co., Southampton; 1,200 bgs., Nat City Bank, Antwerp; 460 bgs., Reichard Coulston Inc., Antwerp; 600,000 kilos, K B Fox, Dunkirk; 320,000 kilos, J W Higman Co., Dunkirk; **Precipitated**, 200 bgs., H J Baker & Bros., Bristol.

**CHEMICALS**—36 cks., Mech & Metals Nat Bank, Bremen; 50 cks., Mech & Metals Nat Bank Bremen; 21 brls., Stanley Doggett, Bremerhaven; 3 brls., Van Oppen & Co., Buenos Aires; 20 cs., 2 brls., Happel & McAvoy, Hamburg; 25 cks., Amer Exp Co., Liverpool; 10 cs., H Lieber & Co., Hamburg; **Compounds**, 100 drs., Lo Curto & Funk, Hamburg; **Products**, 54 carboys, T El Wallace & Co., Dunkirk; 20 cs., Lewis & Conger, Havre; 9 cks., Corbic Color Co., Havre; 20 cs., L C Dever, Havre; 64 carboys, F E Wallace & Co., Dunkirk.

**CLAY—Burnt**, 210 sks., H A Robinson & Co., Hull.

**COBALT SULFATE**—13 cks., H Falck & Co., Hamburg.

**COLORS**—15 pgs., Ciba Co., Havre; 35 cks., Ciba Co., Havre; 10 pgs., Sandoz Chem Works, Havre; 2 cks., Chem Nat Bank, Havre; 8 cks., Amer Exch Nat Bank, Genoa; 9 cs., B F Drakenfeld & Co., Bremen; 2 cs., National Aniline & Chem Co., Shanghai; 12 kegs, Dollar S S Line, Shanghai;

15 cks., Amer Exch Nat Bank, Naples; 1 cse., Bachmeier & Co., Hamburg; 8 cks., Franklin Import & Export Co., Hamburg; 11 brls., Amer Exch Pacific Nat Bank, Hamburg; 1 brl., Fidelity Intern Trust Co., Hamburg; 2 brls., Chem Nat Bank, Hamburg; 10 drs., E Ritter, Antwerp; 6 kegs, Amer Exch Pacific Nat Bank, Liverpool; **Bronze**, 6 cs., Order, Bremen; 12 cs., B F Drakenfeld & Co., Bremen; 30 cs., Paer Bros., Hamburg; 1 cse., Kuy Scheerer Corp., Hamburg; 5 cs., Gallagher & Ascher, Hamburg; **Earth**, 76 cks., Fezandie & Sperrle, Bremen.

**DRAGONS BLOOD**—16 cs., Order, Southampton.

**DRUGS**—7 cases, G J Wallau, Havre.

**EARTH—Red**, 320 bgs., G Z Collins & Co., Bristol.

**ERGOT**—15 bgs., H Hollesen, Hamburg.

**EXTRACTS—Mangrove Bark**, 400 bgs., Order, Singapore; **Quebracho**, 6,111 bgs., Tannin Corp., Buenos Aires; 5,000 bgs., International Products Co., Buenos Aires.

**FLOWERS—Chrysanthemum**, 73 bls., Western Drug Importers, Trieste; **Pyrethrum**, 115 cs., H F Ritchie Co., Kobe; 75 bls., J Powell & Co., Kobe.

**FULLERS EARTH**—400 brls., 350 bgs., L A Salomon & Bro., Southampton.

**GALLNUTS**—714 bgs., Determann & Co., Hankow; 507 cs., Sino Java Handels, Hankow; 500 bgs., Determann & Co., Hankow; 500 bgs., J D Lewis, Hankow.

**GELATIN**—200 bgs., T W Dunn Co., Bremen; 100 cks., J H Schroeder, Bremerhaven.

**GLAUBER SALTS**—50 cs., A Hurst & Co., Hamburg.

**GLUE**—100 bgs., Pfaltz & Bauer, Bordeaux; 30 bgs., W E Miller, Antwerp; 340 bgs., G H Hemmel, Hull; 1 brl., Order, Hull;

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20 sks., Rex & Reynolds, Genoa; 40 sks., Order, Genoa.

**GLYCERIN**—62 cks., Core & Herbert, St Nazaire; 50 drs., Order, Antwerp; 40 drs., Order, Genoa; 10 drs., Brown Bros & Co., Antwerp; 10 drs., Order, Antwerp; 150 drs., Marx & Rawolle, Marseilles; 79 drs., Order, Marseilles; 35 drs., Intern Banking Corp., Shanghai; 10 drs., Order, Antwerp.

**GUMS**—228 bls., W Wrigley Jr Co., Puerto Colombia; **Adragante**, 12 bgs., 4 cs., American Express Co., Marseilles; 6 bgs., Gulbenkian & Co., Marseilles; **Chicle**, 812 bgs., Chicle Development Co., Belize; 73 bgs., E E Johnston, Belize; 222 bgs., Chicle Development Co., Vera Cruz; **Copal**, 280 bgs., Irving Bank Columbia Trust Co., Antwerp; 278 bgs., W Schall & Co., Antwerp; 305 bgs., Nat City Bank, Antwerp; 185 bgs., Order, Antwerp; 14 bgs., Chem Nat Bank, Southampton; 50 cs., 64 bgs., Baring Bros & Co., Singapore; 128 bgs., Brown Bros & Co., Singapore; 128 bgs., Guaranty Trust Co., Singapore; 29 bgs., S Winterbourne & Co., London; 5 bgs., Order, Antwerp; 750 bgs., Brown Bros & Co., Antwerp; 300 bgs., Grace Nat Bank, Antwerp; **Damar**, 50 cs., Chem Nat Bank, Singapore; 50 cs., L C Gillespie & Sons, Singapore; 100 cs., Guaranty Trust Co., Singapore; 100 cs., Bank of America, Batavia; **Elemi**, 117 cs., Grace Nat Bank, Manila; 174 cs., S Winterbourne, Manila; **Ghatti**, 55 bgs., Order, Bombay; **Karaya**, 1,071 bgs., Order, Bombay; **Olibanum**, 40 cs., Order, Bombay; **Shiraz**, 418 bgs., Order, Bombay; **Tragacanth**, 300 bgs., Order, Bombay; 78 bgs., W Mohrmann, Southampton; 183 bgs., Thurston & Braidhead, Southampton; 10 cs., Order, Hamburg; 62 bgs., Thurston & Braidhead, London.

**HOPS**—44 bls., S S Steiner, Hamburg.

**IODINE**—98 bls., Nash Watjen & Bangs, Antofagasta; 16 kgs., Nash Watjen & Bangs, Iquique.

**IRON—Chloride**, 38 cks., Smith Chem & Color Co., Bremen; **Oxide**, 70 cks., J A McNulty, Liverpool; 5 cks., Hammill & Gillespie, Liverpool; 25 kgs., 5 cks., J H Rhodes, Liverpool.

**JUICE—Lime**, 8 cks., Van Dyk & Lindsay, St. Lucia; 4 cks., Park Beniger & Co., St. Lucia; 3 cks., R Desvervigne, Martinique; 201 cks., Pacific Southwest Trust Savings Bank, Martinique; 3 cks., Perry Ryer & Co., Dominica; 50 cks., Colonial Bank, Dominica; **Paw Paw**, 43 pgs., Carter Cummings & Co., Colombo.

**LEAVES**—30 bls., Parke Davis & Co., Bordeaux; 39 bls., Order, Marseilles; **Buchu**, 4 bgs., R Hilliers Sons & Co., Southampton; **Coca**, 60 bls., Maywood Chem Works, South American Ports; **Thyme**, 9 bls., Order, Marseilles.

**LEECHES**—5 cs., Midwood Chem Co., Bordeaux.

**LIME—Chlorinated**, 240 drs., Order, Bremerhaven; **Nitrate**, 71 cks., R W Greeff & Co., Brevik.

**LITHOPONE**—1,000 cks., B Moore & Co., Antwerp.

**LYCOPodium**—10 cs., Order, Danzig.

**MEDICINALS**—8 cs., Italian Drug Imptg Co., Naples.

**MENTHOL—Crystals**, 130 cs., S W Bridges & Co., Kobe; 50 cs., Stallman & Co., Kobe; 50 cs., Suzuki & Co., Kobe; 100 cs., Vick Chem Co., Kobe; 50 cs., Kidder Peabody Acceptance Corp., Kobe; 15 cs., S W Bridges & Co., Yokohama; 10 cs., Order, Yokohama.

**MYROBALANS**—2,400 pkts., Order, Calcutta; 4,685 bgs., Order, Bombay; 6,400 pkts., Hammond Carpenter Corp., Calcutta; 2,388 pkts., National Bank, Calcutta; 1,000 pkts., Order, Calcutta.

**OCHE**—100 bls., J L Smith & Co., Marseilles; 852 bls., Reichard Coulston Inc., Marseilles.

**OILS—Castor**, 100 bls., Order, Hull; **Coconut**, 1,170 tons 4 cwt., Philippine Refining Corp., Manila; **Codliver**, 109 bls., Burroughs Wellcome & Co., Berpen; 500 bls., Order, Berzen; **Floral**, 10 cks., Chemical Nat Bk., Genoa; **Nut**, 291 bls., Order, London; **Olive**, 100 cs., A Germano & Son, Genoa; 200 cs., S Esposito & Son, Genoa; 100 cs., G Montanero, Genoa; 100 cs., A Corrao, Genoa; 100 cs., P Aprea & Sons, Genoa; 100 cs., C Tonnello & Co., Genoa; 1,000 cs., I F Roncallo, Genoa; 100 drs., Lazard Freres, Genoa; 250 cs., L C Dever, Genoa; 130 cs., G W Sheldon & Co., Genoa; 110 cs., Pasquale Parlato, Genoa; 125 cs., Overton &

Co., Genoa; 750 cs., 150 bls., Order, Genoa; 100 cs., J Dellamonia, Genoa; 100 cs., Satz Wholesale Grocery Co., Genoa; 100 cs., Victory Olive Oil Co., Genoa; 235 cs., G Sasso & Sons, Genoa; 175 cs., M De Rosa Genoa; 220 cs., J Petrocilli & Co., Genoa; 100 cs., L Fatato, Genoa; 100 cs., Cellas Inc., Genoa; 100 cs., R Martorelli, Genoa; **Palm**, 87 cks., Order, Antwerp; 780 tons, Order, Hull; 490 cks., African & Eastern Trdg Co., Hamburg; 71 cks., Colgate & Co., Liverpool; 24 cks., Brown Bros & Co., Liverpool; **Patchouli**, 13 cs., Order, Bombay; **Perilla**, 1,000 bls., Cook & Swan Co., Dairen; 330 drs., M B K, Osaka; **Petit Grain**, 26 cs., Order, Buenos Aires; **Rape**, 275 bls., Order, Hull; 200 bls., Order, Kobe; 150 drs., M B K, Osaka; 25 drs., W R Grace & Co., Osaka; **Sardine**, 3,500 cs., Mitsui & Co., Kobe; 6,000 cs., Cook & Swan, Kobe; 2,000 cs., Order, Yokohama; **Sesame**, 50 bls., Order, Antwerp; 125 bls., Fischer Hollinshed Co., Hamburg; **Wood**, 288 cks., G W S Patterson & Co., Hankow.

**OILS—Essential**, 5 cs., Orbis Products Trdg Co., Havre; 15 cs., G Rosati, Naples; 127 cs., 3 cks., G Matteo, Naples; 2 drs., Antoine Chiris & Co., Genoa; 5 cs., P R Dreyer, Marseilles; 3 cs., Order, Marseilles; 5 bls., Guaranty Trust Co., Marseilles; 10 drs., Brown Bros & Co., Hongkong; 1 drum, Swan & Finch Oil Corp., Hamburg; 1 cse., Meht & Daniel, Hainburg; 10 cs., 1 drum, Brown Bros & Co., London; **Almond**, 5 cs., A Chiris & Co., Marseilles; 20 cs., Order, Marseilles; 20 cs., Ungerer & Co., London; **Anise**, 5 drs., Order, Hongkong; **Bay**, 7 cs., Order, St Lucia; 10 cs., Order, Dominica; **Camphor**, 5 drs., W I Bush & Co., Kobe; **Cassia**, 6 drs., Amer Exch Pacific Nat Bk., Hongkong; 5 drs., Fritzsche Bros., Hongkong; **Cinnamon**, 3 drs., Order, Colombo; 4 kgs., Standard Bank of So Africa, Colombo; 5 drs., Chem Nat Bank, London; **Lime**, 7 cs., Dodge & Olcott Co., St Lucia; 5 cs., Order, St Lucia; 1 drum, R Desvervigne, Martinique; 9 cs., Order, Dominica; **Orange**, 6 cs., Order, Kingston; **Saffron**, 30 drs., Magnus Mabe & Reynard, Kobe; **Vetiver**, 2 cs., C G Euler, Marseilles; **Ylang Ylang**, 3 cs., C G Euler, Marseilles.

**OXIDE—Red**, 76 cks., J Lee Smith & Co., Hull.

**PHARMACEUTICAL PRODUCTS**—7 cases, Fraisse Laboratories, Havre; 30 cases, E Fougere, Havre.

**PLUMBAGO**—667 bgs., Irving Bank Columbia Trust Co., Colombo; 300 bgs., Nat City Bank, Colombo; 250 bls., H P Winter & Co., Colombo; 48 bls., Order, Colombo.

**POTASH CARBONATE—Calcined**, 76 cs., Bk of America, Bremen; 21 cks., P H Petry & Co., Bremen.

**POTASSIUM SALTS—Chlorate**, 6 kgs., A Klipstein & Co., Santiago; 1,500 cks., Seaboard Nat Bank, Hamburg; **Metabisulfite**, 25 kgs., Order, Hamburg; **Muriate**, 320 bgs., Soc Comm Des Potasses d'Alsace, Antwerp; 750 bgs., Potash Imptg Corp., Bremerhaven; 1,500 bgs., Potash Imptg Corp of America, Hamburg; **Prussiate**, 18 kgs., C Tennant & Sons Co., Liverpool; **Sulfate**, 720 bgs., Potash Imptg Corp of America, Bremerhaven; 2,500 bgs., Potash Imptg Corp of America, Hamburg.

**ROCHELLE SALTS**—33 cks., Garfield & Co., Hamburg.

**ROCK ALUM**—76 bls., Bertrand & Co., Genoa.

**ROOTS**—10 bgs., Peek & Velsor, Trieste; 11 bgs., S B Penick & Co., Hamburg; 15 bgs., Order, Hamburg; 10 bls., Draeger Shpg Co., London; **Broom**, 320 bls., Order, Vera Cruz; **Gentian**, 110 bls., Parke Davis Co., Bordeaux; **Ipecac**, 2 bgs., Hollingshurst & Co., Panama; 2 bgs., Colombia Amer Corp., Cartagena; 4 bgs., Ultramarine Corp., Cartagena; **Jalap**, 18 bgs., J A Medina & Co., Vera Cruz.

**ROSIN**—136 cks., Columbia Naval Stores Co., Bordeaux; 70 cs., Order, Bordeaux.

**SAL AMMONIAC**—30 cks., C De P Field Co., Bristol.

**SEED—Annatto**, 250 bgs., Order, Kingston; **Cardamom**, 109 cs., Order, Bombay; **Castor**, 6,144 bgs., Volkart Bros., Cocanada; 87,482 bgs., Order, Bombay; **Flax**, 1,304 tons, Archer Daniels & Co., San Nicolas; 17,058 bgs., L Dreyfus & Co., Rosario; 21,067 bgs., Spencer Kellogg & Sons, Rosario; 29,566 bgs., Spencer Kellogg & Sons, Rosario; 19,797 bgs., Spencer Kellogg & Sons, Buenos Aires; 3,917,180 kilos, Order, Ramallo; 2,148,039

kilos, Order, Ibiency; 13,515 bgs., 5,667,057 kilos, Spencer, Kellogg & Sons, Rosario; 4,868 tons, Archer Daniels Co., Rosario; **Mustard**, 142 bgs., Order, Hull; 200 bgs., Order, Southampton; 425 bgs., Brown Bros & Co., Hankow; 500 bgs., R F Downing & Co., London; **Rape**, 111 bgs., Herbst Bros., Danzig; **Sesame**, 900 bgs., A W Olsen, Shanghai; 700 bgs., Sino Java Handels, Hankow; 700 bgs., Sino Java Handels, Hankow.

**SHELLAC**—400 bgs., Brown Bros & Co., Calcutta; 200 bgs., South American Bank, Calcutta; 200 bgs., British Bank of So America, Calcutta; 200 bgs., British Overseas Bank, Calcutta; 200 bgs., Anglo So America Bank, Calcutta; 100 bgs., Goldman Sachs & Co., Calcutta; 200 bgs., Bank of London & So America, Calcutta; 50 bgs., British Bank of So America, Calcutta; 149 bgs., Phila Nat Bank, Calcutta; 1,070 bgs., Order, Calcutta; 83 bgs., Ralli Bros., Hamburg; **Garnet**, 175 bgs., Brown Bros & Co., Calcutta; 125 bgs., Brown Bros & Co., Calcutta; 25 bgs., Order, Calcutta; **Sticklac**, 108 cs., Nat City Bank, Manila; 137 bgs., P B Ross & Co., Manila; 187 cs., F B Ross & Co., Singapore.

**SOAP**—10 cs., R F Downing & Co., Southampton; 10 cs., Preston Moore, St Nazaire; 400 cs., J Smith & Co., Marseilles; 100 cs., Order, Marseilles.

**SODIUM SALTS—Nitrate**, 1 cse., A Hurst & Co., Hamburg; **Bromate**, 6,507 kgs., Antony Gibbs & Co., Antofagasta; 6,728 bgs., Antony Gibbs & Co., Iquique; **Nitrite**, 71 cks., R W Greeff & Co., Brevik.

**SPONGES**—8 bls., Amer Sponge & Chamois Co., Nassau; 126 bls., Lasker & Bernstein, Havana; 23 pgs., Schroeder & Yumayne, Havana; 5 bls., J E Bernard & Co., Havana; 5 bls., Lauden & Hill, Havana; 70 bls., Gulf & West Indies Co., Havana; **Clips**, 60 bls., J H Rhodes & Co., Nassau; **Refuse**, 24 bls., Am Sponge & Chamois Co., Nassau; 70 bls., J H Rhodes & Co., Nassau.

**TALC**—1,000 bgs., Whittaker Clarke & Daniels Bordeaux; 25 cs., L A Salomon & Bro., Bordeaux; 50 cks., Coty Inc., Genoa.

**TAPIOCA—Flour**, 757 bgs., French Amer Banking Corp., Batavia; 505 bgs., Stein Hall & Co., Batavia; 254 bgs., Equit Trust Co., Batavia; 762 bgs., Lean Gwan Handels, My Sourabaya; 2,033 bgs., W J Seligman, Sourabaya; 256 bgs., Order, Sourabaya; 724 bgs., Order, Penang.

**TARTAR**—829 bgs., C Pfizer & Co., Marseilles; 400 bgs., Royal Baking Powder Co., Marseilles.

**VANILLA BEANS**—21 cs., G Lueders & Co., Havre; 100 cs., Royal Bank of Canada, Gadeloupe; 31 cs., P H Petry & Co., Marseilles; 5 cs., Nat City Bank, Marseilles; 5 cs., Thurston & Braidhead, Marseilles; 13 cs., J N Limbert & Co., Genoa; 52 cs., Thurston & Braidhead, Genoa; 22 cs., Order, Genoa; 5 cs., P H Petry & Co., Vera Cruz; 5 cs., Thurston & Braidhead, Vera Cruz; 21 cs., Order, London.

**WAX**—128 bgs., Bank of America, Bordeaux; 33 bgs., 6 cs., N Solow, Danzig; 17 bgs., H H Pike & Co., Santiago; 6 bgs., 5 bls., J cs., T J Owen & Co., Santiago; 9 bgs., J Julia & Co., Azua; **Bees**, 28 pgs., Order, Genoa; 53 bgs., Order, Santiago; 40 bgs., Order, Manzanillo; 60 bgs., Brown Bros & Co., Calcutta; 88 bgs., R Desvervigne, Santiago; 56 bgs., Coal & Iron Nat Bank, Hamburg; **Carnauba**, 1,148 bgs., Nat City Bank, Parnahyba; 581 bgs., Lazard Freres, Ceara; 112 bgs., Guaranty Trust Co., Ceara; 72 bgs., Phila Nat Bank, Ceara; 168 bgs., Coal & Iron Nat Bank, Ceara; 63 bgs., Order, Ceara; **Mineral**, 40 bgs., Schliemann Co., Hamburg; **Montsn**, 475 bgs., Strehmeyer & Arpe, Bremen; **Paraffin**, 352 bgs., Order, Southampton; **Vegetable**, 50 cs., Order, Hankow.

**WHITING**—800 bgs., E L Bullock & Sons, Havre; 250 bgs., E H Coupey, Dunkirk; 250 bgs., E H Coupey, Dunkirk.

**WOODFLOUR**—1,418 bgs., B L Soehrski, Sarpasbor; 80 bgs., Corn Exchange Bank, Stavanger.

**WOOD TAR**—150 bls., National Bank of Commerce, Stockholm; 200 bls., Chatham & Phenix Nat Bank, Danzig; 1,000 bls., Order, Danzig.

**WOOL GREASE**—90 bls., Nat City Bank, Bremen; 67 cs., 5 cs., Pfaltz & Bauer, Bremerhaven; 75 bls., Order, Liverpool.

**ZINC—Oxide**, 250 bls., American Exchange Pacific Nat Bank Marseilles; 45 bls., Philipp Bros., Antwerp.



## IMPORTS AT PHILADELPHIA

March 10 to 17

**ALCOHOL**—Methyl, 86 drums, Order, Rotterdam.  
**ANTIMONY**—5208 ingots, Order, Antwerp; 79 casks, Order, Hamburg.  
**ARSENIC**—100 casks, Mech & Metals Nat'l Bank, Hamburg.  
**BARYTES**—150 drums, Order, Hamburg.  
**BAUXITE**—5,700 tons, Guaranty Tr Co., Siberia.  
**BAUXITE ORE**—1,091,000 kilos Bk of America, Rotterdam.  
**BONE GLUE**—500 bags, Order, Rotterdam; 800 bags, Order, Rotterdam.  
**BONE MEAL**—339 bags, Order, Hamburg; 2,095 bags, Order, Hamburg; 2,000 bags, Equitable Tr Co., Hamburg.  
**CHEMICALS**—170 drums, E H Bailey & Co., Dundee; 900 casks, Order, Antwerp; 20 casks, Order, Rotterdam; 119 casks, Order, Hamburg; 10 casks, Order, Hamburg.  
**CHLORIDE**—131 casks, Inter Accept Bank, Rotterdam; Barium, 68 casks, Guaranty Tr Co., Antwerp; 52 casks, Order, Antwerp; Magnesium, 184 casks, Chase Intern Bank, Hamburg; 368 drums, Mfrs Trust Co., Hamburg.  
**COBALT OXIDE**—Black, 10 bbls., Harshaw, Fuller & Goodwin, Antwerp.  
**COD LIVER OIL**—15 bbls., Smith, Kline & French, Stavauger.  
**CRESYLIC ACID**—8 drums, 4th St Nat Bk., Manchester.  
**FLUORSPAR**—356,000 kilos, Order, Rotterdam; 179 tons, 12 cwt., Irving Bk Col Tr Co., Manchester; 655,320 kilos, Order, London.  
**FORMIC ACID**—84 demijohns, Order, Hamburg.  
**GLYCERIN**—Dynamite, 98 drums, Order, Rotterdam; 105 casks, Hercules Powder Co., Rotterdam; 46 drums, Order, Antwerp; 18 casks, Order, Marseilles; 70 casks, Order, Marseilles; 20 casks, Order, Marseilles.  
**GUM**—60 bales, Chem Nat Bk., Singapore; Copal, 300 bags, Brown Bros Co., Antwerp.  
**KAINIT**—2,500 bags, Potash Imp Co., Hamburg; 545,027 kilos, Potash Imp Co., Hamburg.  
**LICORICE ROOT**—1,438 bales, Order, Kuluk.  
**LITHOPONE**—40 casks, A Klipstein & Co., Antwerp.  
**MAGNESITE**—255 bbls., Brown Bros & Co., Rotterdam; 900 bags, Order, Antwerp.  
**MANGANESE ORE**—1,250 tons, E J Lavino & Co., Calcutta; 41 casks, Order, Hamburg.  
**MURIATE**—Ammonia, 60 casks, Order, Rotterdam; Potash, 500 bags, Soc Comm des Pot d'Alsace, Antwerp.  
**NITROGENOUS MATERIAL**—1,300 bags, Order, Rotterdam.  
**PALM KERNEL OIL**—59 casks, Order, Rotterdam.  
**PALM OIL**—8 casks, Order, Antwerp; 32 casks, Order, Marseilles; 388 casks, African & Eastern Tr Co., Hamburg.  
**POTASH**—Caustic, 75 drums, Order, Hamburg; 78 drums, Superfos Co., Hamburg.  
**POTATO STARCH**—200 bags, Stein, Hall Co., Rotterdam.  
**SAL AMMONIAC**—60 casks, J Monroe & Co., Rotterdam.  
**SALTPETRE POWDER**—44 casks, Order, London.  
**SEED**—Coriander, 360 bags, Order, Casa Blanca; Cicer, 22 bags, Order, Hamburg.  
**SESAME ACID OIL**—15 bbls., Order, Hamburg.  
**SHELLAC**—456 bags, Order, Calcutta; 50 bgs., Ralli Bros., Hamburg.

**SODIUM**—Acetate, 20 casks, H A Lutz & Co., Rotterdam; Phosphate, 30 casks, R W Greeff & Co., Antwerp; 134 casks, Brown Bros Co., Antwerp; Sulphate, 400 drums, Order, Antwerp; 120 drums, Order, Antwerp; 6 drums, Harshaw, Fuller & Goodwin, Antwerp; 400 drums, Order, Antwerp; 34 casks, Order, Antwerp; 300 drums, Order, Antwerp; Uranate, 15 cases, Order, Antwerp; Nitrate, 2,566 bags, R W Greeff Co., Brevik; 5 casks, R W Greeff Co., Brevik.  
**STEARINE**—50 bags, A Klipstein Co., Manchester.  
**TANNING EXTRACT**—20 casks, Order, Liverpool.  
**TAPIOCA FLOUR**—505 bags, Bk of N Y & Trust Co., Batavia; 251 bags, Heidelbach, Ickelheimer Co., Batavia.  
**ULTRAMARINE BLUE**—20 bbls., Order, Antwerp.  
**WOOL GREASE**—100 bbls., Kidder, Peabody & Co., Antwerp.

## IMPORTS AT BALTIMORE

March 12 to 18

**BONE MEAL**—500 bags, 113,054 lbs., F H Shallus Co., Hamburg.  
**CHEMICALS**—20 casks, 9,988 lbs., Baltimore and Ohio railroad, Hamburg.  
**CLAY**—325 casks, F H Shallus Co., Bremen; Fire, 510 casks, 56,474 lbs., Standard Plate Glass Co., Havre.  
**FLUORSPAR**—333 tons, Shimer & Co., Inc., Manchester; 236 tons, Samuel Shapiro & Co., Manchester.  
**FULLER'S EARTH**—250 bags, L A Solomon & Bro., London.  
**GLYCERIN**—40 drums, Crown Cork and Seal Company, Manchester.  
**LEUNASALPETRE**—1,016 bags, 223,520 lbs., Kuttroff, Pickhardt & Co., New York, Hamburg.  
**LIME**—Chlorinated, 25 cases, M Kohlstaum & Co., Inc., Liverpool.  
**NAPHTHALENE**—1 case, 145 lbs., Baltimore & Ohio railroad, Hamburg.  
**ORE**—Manganese, 4,989 tons, Terminal Shipping Co., Sokendji; 6,650 tons, Bethlehem Steel Corp., Rio de Janeiro.  
**PITCH**—49 bbls, Order, Manchester.  
**POTASH**—Kainit, 101,405 lbs., F H Shallus Co., Hamburg; 250,866 lbs., Potash Importing Corp., Hamburg; 200,847 lbs., F H Shallus Co., Hamburg; Manure Salt, 20%, 400,520 lbs., F H Shallus Co., Hamburg; 169,850 lbs., Potash Importing Corp., Hamburg; 200,948 lbs., F H Shallus Co., Hamburg; 400,983 lbs., Potash Importing Corp., Hamburg; Muriate, 16,450 bags, 3,459,661 lbs., F H Shallus Co., Hamburg; 50 bags, 109,474 lbs., Potash Importing Corp., Hamburg; 4,706 bags, 1,045,854 lbs., F H Shallus Co., Hamburg; 252,202 lbs., Potash Importing Corp., Hamburg; 1,000 bgs, 100 tons, F H Shallus Co., Hamburg; Sulfate 500 bags, 50 tons, Potash Importing Corp., Hamburg; 1,600 bags, 100 tons, F H Shallus Co., Hamburg; 351 bags, 70,332 lbs., Potash Importing Corp., Hamburg.  
**SEED**—Rape, 168 bags, 33,515 lbs., F H Shallus Co., Hamburg.  
**SODIUM**—Nitrate, 64,391 bags, 11,135,419 lbs., Anthony Gibbs & Co., Iquique; 2,253 bags, 9,021,998 lbs., Anthony Gibbs & Co., Calcutta, Buena.  
**WHITING**—1,000 bags, 169,400 lbs., Continental Whiting Co., Havre.  
**WOOL GREASE**—100 bbls., Samuel Shapiro & Co., Bremen.

## IMPORTS AT NEW ORLEANS

March 12 to 19

**BAUXITE**—2,084 tons, Republic Mining Co., Georgetown.  
**CHICORY**—330 sacks, Order, Bremen.  
**CHALK**—2,000 bags, Order, Rotterdam.  
**CINNAMON**—100 bales, Order, Liverpool.  
**FULLER'S EARTH**—2,000 sacks, Order, London.  
**GUM**—Chicle, 405 bales, Miss. Warrior Service, Progresso.  
**MOLASSES**—1,300,000 gallons, Order, Port Tarate; 1,887,053 gallons, Dunbar Molasses Co., Nuevitas.  
**MAGNESITE**—9,132 bags, Order, Trieste.  
**OIL**—Olive, 220 cases, Order, Genoa.  
**SODIUM**—3,125 bags, Order, Rotterdam; Sulfate, 2,934 bags, Order, Antwerp.

## IMPORTS AT SAN FRANCISCO

March 6 to 13

**BARYTES**—256 bags, Braun, Knecht, Heilmann Co., Hamburg; 51 casks, Balfour, Guthrie & Co., Hamburg; 43 casks, Order, Hamburg.  
**CASSIA**—50 bales, S L Jones & Co., Hongkong.  
**CHEMICALS**—6 casks, Braun, Knecht, Heilmann Co., Hamburg; 152 drums, Maillard & Schmiedell, Hamburg; 50 casks, Order, Hamburg.  
**FLOWERS**—Pyrethrum, 20 bales, American Finance & Commerce Co., Kobe.  
**OILS**—Cod, 50 bbls., Chas Cable Co., Yokohama; Wood, 324 tons, American Finance & Commerce Co., Hankow; 63 tons, W. R. Grace & Co., Hankow.  
**PINE TAR**—11 bbls., Maillard & Schmiedell, Hamburg.  
**PITCH**—127 bbls., Order, London.  
**SPICES**—Cinnamon Quills, 100 bales, Willis & Co., Colombo; 150 bales, H M Newhall & Co., Colombo; 50 bales, D Hecht & Co., Colombo; 125 bales, Dodwell & Co., Colombo; Mace, 10 cases, S L Jones & Co., Macassar.  
**TALLOW**—Vegetable, 238 packages, Order, Hankow.  
**TAPIOCA**—250 bags, H M Newhall & Co., Penang.

## IMPORTS AT BOSTON

March 13 to 20

**ACID**—Formic, 80 balloons, R & H Chemical Co., Rotterdam; 80 carboys, Kidder Peabody Co., Rotterdam; 74 carboys, Manahan Chemical Co., Hamburg; Oxalic, 25 casks, R & H Chemical Co., Rotterdam; 75 kgs., Order, Hamburg.  
**CASEIN**—1,251 bags, First Nat Bank of Boston, Buenos Aires; 1,663 bags, Order, Buenos Aires; 200 bags, Order, Antwerp.  
**CHALK**—400 bags, Brown Bros., Rotterdam; 700 bags, Order, Antwerp.  
**COLOR**—9 casks, Order, Manchester.  
**GAMBIER**—262 cs., Order, Singapore.  
**MOLASSES**—1,350,000 gals., Boston Molasses Co., Porto Rico.  
**NAPHTHALINE**—50 bbls., I M Sobin Co., Hamburg.  
**OIL**—Cod, 100 casks, F W Damon Co., St Johns; 150 casks, J S Bent Co., St Johns; 20 casks, Robson Leather Co., St Johns; 9 bbls., Stone & Downer Co., Liverpool; Palm, 160 cs., Niger Co., Africa; 209 casks, Irving Bank, Africa.  
**POTASH**—Caustic, 73 bbls., Innis Speiden & Co., Hamburg.  
**SODIUM PHOSPHATE**—50 casks, I M Sobin Co., Rotterdam.  
**TRAGASOL**—110 casks, J P Marston Co., Liverpool.  
**WOOLGREASE**—55 casks, Marden Wild Corp., Rotterdam; 300 bbls., F L Young Co., Liverpool.

## ITALIAN CITRATE INDUSTRY LOW

The citric and tartaric industry of Italy is rather under the market of previous years owing to the short lemon crop. Up to January 31, 1926 the Camera Agrumaria have received in their warehouse about 1,200 tons as compared with 1,800 tons of citrate of lime on the same date in 1925. Deposits of citrate of lime with the Camera are now only about 15,000 tons, the consumption in the last two years having been greater than the production. The selling price has been increased from 525 lire to 575 lire and further increase is anticipated. The orange

crop has been fair and oil of orange is almost stationary. It is said that the Italian tartaric acid manufacturers have formed a trust with German producers and as a result of the elimination of competitive prices have increased greatly, even to the extent of causing a loss of business to the producers. Now they are seeking to make up these losses and have reduced the price of wine lees considerably.

Export duty on quebracho extract has been decreased by the Argentine government from 13% to .005%.



## New Construction Plans

United States Stoneware Co., Akron, O., will rebuild the part of its plant burned in December with a loss of \$90,000.

U. S. Finishing Co., Providence, R. I., is beginning construction of its new office building, which when completed will cost about \$15,000.

The Franklin Process Co., Providence, is making preparations for improvements in its mill, calculated to increase the working space of the plant.

The twenty-four new tin mills, which Youngstown Sheet & Tube Co. is adding to its Indiana Harbor works, are expected to be ready for operation by Fall.

Republic Iron & Steel Co. will rebuild a battery of by-products coke ovens at Lansingville works, replacing older type with 43 Koppers-Becker combination. Rebuilt units will produce 1,100 tons of coke a day. There are 204 ovens in this group.

W. H. Loomis Talc Corp. have laid tentative plans for a new water-power development on lands newly acquired on the Oswegatchie River, in St. Lawrence County, near Gouverneur, New York.

American Strawboard Co., Noblesville, Ind., operated by the Ball Brothers Co., Muncie, Ind., manufacturer of glass products, has plans for a new addition to its corrugated paper works, to be 75 x 300 ft., estimated to cost \$50,000.

Central Steel Co. of Massillon, Ohio, has given an order to the Koppers Co. of Pittsburgh for the erection of by-products coke ovens, to cost with auxiliary equipment \$3,000,000. The ovens will have a capacity of 350 tons of coal a day.

Robert McNeil, 2347 North Reese Street, Philadelphia, Pa., manufacturer of chemical products, has filed plans for the erection of a four-story factory at Cambria and Seventeenth Street, estimated to cost about \$135,000, with equipment.

Marietta Dyestuffs Co., Marietta, Ohio, now being organized by G. N. Gleysten, Marietta, and associates, with capital of \$75,000 is arranging for the early establishment of a new local plant estimated to cost about \$40,000. A list of equipment to be installed will soon be arranged.

Washington Pulp & Paper Corporation, Port Angeles, Wash., has preliminary plans under way for extensions and improvements in its plant to double the present output. It is also purposed to construct a hydroelectric power plant for service at the mill. The complete project is reported to cost about \$500,000.

Canadian Celanese, Ltd., will start to excavate in preparation for the erection of their new \$7,000,000 plant at Montreal, on April 1. Operation is anticipated before the end of this year, although 2 years will probably be the time required to complete and equip the plant. The company has purchased 164 acres, and has an option on 100 additional acres. Dr. Camille Dreyfuss, president of American Cellulose & Chemical Manufacturing Co. is also president of Canadian Celanese Ltd.

Superphosphate import duty has been increased by Polish Government from 1 zloty to 2 zloty per 100 kilos.

## DRUGS

(Continued from page 846)

These men found that the beat of the heart is a contraction wave beginning in the upper part, the auricles, and coursing downward to the lower part, the ventricles. The track over which this wave passes is a small bundle of muscular and nervous tissue called the bundle of His. It is now known that digitalis, when absorbed, makes a chemical union with this structure. It picks it out from all the other parts of the body and paralyzes or blocks it. This fact explains exactly how the drug acts in heart failure. When the heart is diseased there often sets in that quivering of the auricles which was described by Cushny. The impulses then pass over the bundle of His so rapidly that the ventricles, which drive blood out into the body, respond very irregularly and very ineffectively. The amount of blood actually in motion is greatly reduced. Blood accumulates in the vessels and dropsy results. But when digitalis is given there results a block of the conducting bundle, the bundle of His, the ventricle is protected from the incessant bombardment of the auricular impulses, it begins to beat more regularly, it re-establishes the flow of blood in the vessels, and so the dropsy, and the other symptoms of heart failure, disappear.

A perfect epidemic of investigations of digitalis followed the publication of these facts. Hatcher and Brody, two Americans, in 1910 (note the date: the investigation of drugs is still going on in the modern world!) laid down a method of standardizing the strength of a given sample. The leaves of digitalis taken from two different plants in different parts of the world, in different years, may have entirely unequal concentrations of the active substance. It will not do simply to weigh them, as we weigh drugs of uniform chemical composition. Five grains of one leaf may be totally unequal to five grains of another. Hatcher and Brody perfected a method to determine the activity of a sample by observing its action on animal hearts. Cary Eggleston, of New York, in 1915, gave out a method of dosage, now generally followed, by using a sample of known strength administered according to the weight of the patient. Canby Robinson, now at Vanderbilt University, determined how soon after a dose of digitalis was swallowed it was absorbed and began to work. Pardee, of New York, determined how much of a dose was wasted by elimination and how much actually utilized by the body. This is only a fraction of the work accomplished or now in process. I have in my files 278 articles on digitalis written since 1911!

My account of these researches has been set down—though it may seem wearisome to an untechnical reader—because in no other way can I make the point I set out to make: that our knowledge of drugs today is not a slipshod and traditional mass of guess work, but an exact knowledge based upon examination and experiment. . . . With digitalis we have traveled a long road from the old herb woman of Shropshire. But there are several things that can be said for her. One is that she believed thoroughly in the value of her remedy. Another is that she was justified in that belief.

"Spent animal charcoal" for fertilizer purposes was assessed by the Board of U. S. General Appraisers as "bone char" at the rate of 20 per cent ad valorem under Paragraph 71, Tariff Law of 1922. Judge McClelland rules that free entry should have been accorded the merchandise under the provisions of Paragraph 1526 of the same law.

# Drug & Chemical Patents

Granted March 16, 1926

- 1,576,503—Polymerization of butyraldehyde. Charles Bogin, assignor to Commercial Solvents Corp., Terre Haute, Ind.
- 1,576,529—Dialyzing and evaporating membranes and process of making the same. Joseph M. Looney, Somerville, Mass., assignor, by mesne assignments to Philip A. Kober, Hastings-on-the-Hudson, N. Y.
- 1,576,535—Shipping container and sterilizer. Joseph Muir, New York, N. Y., assignor to the Radium Emanation Corporation.
- 1,576,541—Process for the production of butyric aldehyde. Clarence E. Pigg, assignor to Commercial Solvents Corp., Terre Haute, Ind.
- 1,576,563—Heating system for oil stills. Frank E. Wellman, assignor to the Kansas City Gasoline Co., Kansas City, Kans.
- 1,576,566—Apparatus for distilling hydrocarbons. Franke E. Wellman, assignor to the Kansas City Gasoline Co., Kansas City, Kans.
- 1,576,567—Lip stick. Lucille Buhl-Bonanno, Mount Vernon, N. Y., assignor to Lucille Buhl-Vanity Products Co., Inc., New York, N. Y.
- 1,576,601—Process of making carbon and other coated papers. Alfred Haigh, Staffordshire, England.
- 1,576,681—Process for the conservation of the pellicles of hydrate or of hydrated ethers of cellulose. Jean Defaucamberge, Paris, France, assignor to Societe Francaise des Crins Artificiels, Paris, France.
- 1,576,685—Apparatus for heating and deaerating water. Percy S. Lyon and Victor Rohlin, assignors to Cochrane Corporation, Philadelphia, Pa.
- 1,576,694—Water-cooled ultra-violet apparatus. Julius B. Wantz, Oak Park, Ill., assignor to Victor X-Ray Corp., Chicago, Ill.
- 1,576,708—Apparatus for making sulphite liquor. Fred J. Babcock, Dexter, N. Y., assignor to Stelbins Engineering and Manufacturing Co., Watertown, N. Y.
- 1,576,783—Process of making glassware. Enoch Ferngren, Washington, D. C.
- 1,576,737—Resinous cement. Leslie E. Frost, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Co.
- 1,576,739—Process of recovering sodium chloride from saline liquors. Alfred W. Gauger and Henry Herman Storch, Westend, Cal., assignors to Burnham Chemical Co., Reno, Nev.
- 1,576,750—Dispensing device. William W. Kinsley, Jamestown, Kans.
- 1,576,763—Closure for tumblers, jars and other receptacles. Harry Ingram, Brooklyn, N. Y.
- 1,576,774—Product for cleansing the skin. George McGraw, assignor to the Oakland Chemical Co., New York, N. Y.
- 1,576,776—Conversion of cuprous materials, Westbury, N. Y., assignor to Nichols Copper Co., New York, N. Y.
- 1,576,883—Process of making graphite. Victor M. Weaver, Harrisburg, Pa.
- 1,576,911—Chemical feeder. John L. Hughes, Tulsa, Okla., assignor of one-half to Aaron L. Fischer, Bradford, Pa.
- 1,576,912—Liquid pitcher. Henry Newton James, Miami, Fla.
- 1,576,916—Oven for the distillation of solid material. Oskar Lasche, deceased, late of Berlin-Charlottenburg, Germany, by Fritz Lasche, executor, Dresden, Germany, and Carl Geissen, Berlin-Schöneburg, Germany, assignors to Kohlenveredlung G. m. b. H., Berlin, Germany.
- 1,576,930—Oil-filtering apparatus. Leo M. Perry, St. Helen, Mich.
- 1,576,970—Method of and system for regenerating sulphurous acid and waste heat from sulphite cellulose boilers. Carl Hangleiter, Mannheim-Waldhof, and Adolf Schneider, Kehlheim-on-the-Darube, Germany, assignors to Zellstoff-fabrik Waldhof, Mannheim-Waldhof, Germany.
- 1,576,985—Stain removing compound. Albert E. Moore, Seattle, Wash.
- 1,576,999—Method of oxidizing aromatic side chain compounds. Paul Seydel, Jersey City, N. J., assignor, by mesne assignment, to Seydel Chemical Co., New York, N. Y.
- 1,577,023—Metal cap. Charles Hammer, Hollis Court Boulevard, N. Y.
- 1,577,024—Friction tumbler cap. Charles Hammer, Hollis Court Boulevard, N. Y., assignor to American Metal Cap Co., Brooklyn, N. Y.
- 1,577,042—Liquid-dispensing faucet. Bernard Lutsky and Samuel Kreisberg, Brooklyn, N. Y.
- 1,577,053—Method and apparatus for comminuting solids and forming colloidal solutions. Otto Auspitzer, Neu Oderberg, Czechoslovakia.
- 1,577,057—Method and means for stabilizing liquid hydrocyanic acid. Guy H. Buchanan, Westfield, N. J., assignor to American Cyanamid Co., New York, N. Y.
- 1,577,092—Bottle holder for bottle-washing machines. Axel Andersson, Lund, Sweden.
- 1,577,123—Method of closing collapsible tubes. Nevil Monroe Hopkins, assignor to New-Mix Products, Inc., New York, N. Y.
- 1,577,131—Bottle Machine. Richard La France, assignor to The Owens Bottle Co., Toledo, Ohio.
- 1,577,186—Process of producing gels for catalytic and absorbent purposes. Walter A. Patrick, Baltimore, Md.
- 1,577,187—Method of preparing catalytic agents. Walter A. Patrick, assignor to the Silica Gel Corp., Baltimore, Md.
- 1,577,188—Method of preparing catalytic agents. Walter A. Patrick, assignor as in the preceding.
- 1,577,189—Gels for catalytic and absorbent purposes. Walter A. Patrick, Baltimore, Md.
- 1,577,190—Method of preparing gels for catalytic and absorbent purposes. Walter A. Patrick, Baltimore, Md.
- 1,577,201—Process for the distillation of persulphuric acid and of solutions of persulphuric-acid salts. Gustav Baum, Weistein, Austria.
- 1,577,236—Bottle washing device. George Huss, New York, N. Y.
- 1,577,241—Ice cream and cone vending machine. Davis Jacob Ajouelo and Ira Leonard Crawford, Atlanta, Ga.
- 1,577,275—Loose-powder container. William J. Tucker, Norton, Mass., assignor to Saart Brothers Co.
- 1,577,314—Apparatus for dyeing, scouring, or otherwise treating yarn or other fibres in the hank or skein. Howard M. Dudley, Philadelphia, Pa.
- 1,577,315—Apparatus for dyeing or otherwise treating fibrous material. Howard M. Dudley, Philadelphia, Pa.
- 1,577,369—Nicotine dust for killing insects. George E. Sanders and Raymond H. Pestell, Louisville, Ky., assignors to Dosch Chemical Co.
- 1,577,374—Gum or candy container. Thomas W. Shelley, assignor to John L. Timmins, Los Angeles, Cal., by court order assigned to Margaret Timmins, widow of said John L. Timmins.
- 1,577,389—Purification of sugar solutions. Karel Urban, Pecky, Czechoslovakia, assignor to Seligman Elbogen, Prague-N Czechoslovakia.
- 1,577,415—Production of acridinium compounds. Louis Benda, Mainkur, near Frankfurt-on-the-Main, and Otto Sievers, Fechenheim-on-the-Main, Germany.
- 1,577,426—Composition and process of making the same. Alfons G. Schuricht and George T. Wright, Alton, Ill., assignors to Western Cartridge Co., East Alton, Ill.

The proposed increase in the Japanese tariff, effective April 1, which affects metal products principally makes no change in sulfate of ammonia or articles coming under the luxury tariff or lumber.

Weisberg & Greenwald, engineers and chemists, announced their removal from 247 East 41st Street, New York City, to larger quarters at 71 West 45th Street, New York City.

The property and business of Ducktown Sulphur, Copper and Iron Co., Tenn., has been purchased by New York and Chattanooga interests from the owners in

Great Britain. The new corporation, the Ducktown Chemical and Iron Co., will continue the production of sulfuric acid and copper on the same scale as previously, with the installation of new machinery.

H. J. Rolls, president, Rolls Chemical Co., Buffalo, is scheduled to sail from New York early in May on a business trip to Europe. He will visit England, France, Germany, Belgium and Italy and will be gone about three months.

Nickel which is non-metallic has been produced by Prof. L. R. Ingersoll, Univ. of Wisconsin physicist.

**SPELTER FREIGHT RATES UNREASONABLE**

Present rates on spelter by-products from points in Canada to Boston, New York, Trenton, Philadelphia, Newport, Delaware and Baltimore; from Georgetown, Conn., to Boston; from points in New England to Trenton and Philadelphia; from points in Pennsylvania, Ohio, West Virginia, Michigan, Indiana, Illinois, Wisconsin and Missouri to Trenton; and between Trenton and Baltimore, are unreasonable, according to a tentative report submitted to the Interstate Commerce Commission by Examiner Griffin. A basis of reasonable rates was prescribed for the future.

The lime sold in the United States in 1925 amounted to 4,510,000 short tons, valued at \$42,530,000, according to estimates furnished by lime manufacturers to the Bureau of Mines, Department of Commerce. These figures show an increase of 11 per cent in quantity and 7 per cent in value over the sales in 1924. The sales of hydrated lime, which are included in these figures, amounted to 1,505,000 tons, valued at \$14,926,000, an increase of 14 per cent in quantity and 13 per cent in value. The average unit value of all lime showed a decrease from \$9.72 a ton in 1924 to \$9.43 in 1925, and that of hydrated lime a decrease from \$10.03 a ton in 1924 to \$9.92 in 1925.

Mason By-Products Company, Sausalito, Cal., which manufactures alcohol from molasses waste, has been fined \$200 for polluting the waters of San Francisco Bay. The company has been given thirty days in which to rectify its method of disposing of refuse.

**Foreign Trade Opportunities**

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Alcohols .....	19195	London, England .....	Agency
Carbon black .....	19196	Melbourne, Australia .....	Agency
Chemicals, industrial .....	19193	London, England .....	Agency
Chemicals, photographic .....	19240	Giza, Egypt .....	Purchase
Coal-tar products .....	19197	Paris, France .....	Agency
Pharmaceutical supplies .....	19263	Bucharest, Rumania .....	Agency
Phosphate rock, etc. ....	19198	Dresden, Germany .....	Agency
Rosin .....	19194	Riga, Latvia .....	Purchase
Rosin .....	19198	Dresden, Germany .....	Agency
Turnentine .....	19236	Sydney, Australia .....	Agency
Varnish and pyroxylin lac-			
quers .....	19195	Belfast, Ireland .....	Agency
<b>Chemicals:</b>			
Chemicals .....	19385	Arras, France ..	P'chase or Agcy
Do .....	19408	Sydney, Australia .....	Agency
Chemicals, heavy .....	19409	London, England .....	Do
Chemicals and pharma-			
ceutical products .....	19387	Rio de Janeiro, Brazil .....	Do
Electroplate supplies .....	19409	London, England .....	Do
Paints and varnishes,			
house and automobile .....	19386	Arras, France ..	P'chase or Agcy
Soda, bicarbonate, and			
cream of tartar .....	19431	Liverpool, England .....	Agency
<b>Drugs and Pharmaceutical</b>			
<b>products:</b>			
Drugs and perfumery .....	19408	Sydney, Australia .....	Do
Drugs and pharmaceuti-			
cal remedies .....	19403	Lima, Peru .....	Do
Pills, laxative .....	19404	Alexandria, Egypt .....	Do
Toilet specialties .....	19415	Nassau, Bahamas .....	Purchase
Benzol, tar pitch, bone			
black, and crude borax .....	19401	Paris, France .....	Purchase
Carbon black .....	19255	Stockholm, Sweden .....	Agency
Chemicals, heavy .....	19291	Rio de Janeiro, Brazil .....	Agency
Copper sulphate .....	19251	Belgrade, Yugoslavia .....	Purchase
Dyes, aniline .....	19403	Antofagasta, Chile .....	Agency
Ghee, animal .....	19481	Paris, France .....	Purchase
Lacquers, shellac, varnish,			
turpentine, & linseed oil .....	19402	Cologne, Germany .....	Agency
Naval stores .....	19403	Rio de Janeiro, Brazil .....	Agency
Pharmaceuticals .....	19402	Rio de Janeiro, Brazil .....	Agency
Phosphate rock and rosin .....	19255	Stockholm, Sweden .....	Agency
Sulphur .....	19401	Paris, France .....	Purchase

**Contracts Awarded**

Owl Fumigators Corp., Azusa, Calif., has been awarded a Government contract for 4,000 lbs. liquid cyanide, at \$3,600.

Pacific Chemical Co. of New York has been awarded a Government contract for 2,000 lbs. of flake naphthalene at \$6.45 100 lbs.

Explosive Chemical Co., Inc., New York, has been awarded a contract for 500 lbs. of dinitrophenol at 39c for the Picatinny Arsenal, New Jersey.

Swift & Co. have been awarded a contract to supply 12,000 lbs. of lard substitute at 15.7c a lb to the quartermaster of the Marine Corps, Washington, D. C.

E. I. du Pont de Nemours & Co. has been awarded a government contract for furnishing 2,000 lbs. of flashless powder at 72.6c for the Picatinny Arsenal, New Jersey.

Shawinigan Products Corp., New York, has been awarded a contract to supply the lighthouse superintendent, New Orleans, La., with 25 tons of calcium carbide at \$87.50 f. o. b. Mobile.

Roessler & Hasslacher Chemical Co. has been awarded a Government contract for six tons of sodium cyanide at 19c a pound, and the Grasselli Chemical Co. has been awarded a contract for 2,500 lbs. of sodium chlorate at 6½c a pound.

The following contracts for chemicals have been awarded by the Dept. of Agriculture, Washington, D. C.: 25,000 lbs. calcium chloride at \$1.65 per cwt. to Wing & Evans; and 240,000 lbs. limestone at \$5.20 to the Standard Lime Co.

Contracts for flavoring extracts have been awarded by the quartermaster at Fort Sam Houston, Texas, as follows: Thos. J. Webb of Chicago, 624 bottles of lemon extract at 44.33c and 160 bottles of vanilla extract at 39.33c and Hanley & Kinsella Coffee & Spice Co., of St. Louis Mo., 240 bottles of vanilla extract at 32c.

The following general awards for chemicals have been announced at the Chemical Warfare Service, Edgewood Arsenal: sodium silicate at \$8.00 a ton to the Diamond Metal Co., New York City; sodium nitrate at 1.91c per lb to Leon David, Baltimore, Md., and aluminum at 21.55c per lb to United Iron & Metal Co., Baltimore, Maryland.

The following contracts for chemicals have been awarded by the Bureau of Engraving and Printing, Washington, D. C.: 20,000 lbs. chrome orange at 16.45c lb to John T. Lewis & Bros., 1,200 lbs. sodium cyanide at 21.8c lb to Roessler & Hasslacher Chemical Co. and 15,000 lbs. red lake No. 6 at 14.9c lb to Sherwin-Williams Co.

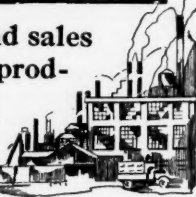
Harry McClane, chemist, employed at the University of Kentucky, has discovered a new kind of metal, called maclite. It is said to be three times as strong as bronze, cast iron, brass and milled steel, and can be used at much saving in the place of these metals.

Dr. Ellen C. Potter, secretary of the Pennsylvania State Department of Welfare, has been elected chairman of the new State alcohol permit board created under the Snyder Act.

# Local Spot Stocks



A selected list of established jobbers, merchants, and sales agents who carry stocks of standardized, branded products in local warehouse and who are prepared to render prompt distribution service.



## Illinois



STANDARD CHEMICALS  
FOR ALL PURPOSES

**MERCHANTS  
CHEMICAL CO., Inc.**

1314-16 S. Canal St., Chicago, Ill.

Sales Offices and Warehouses  
MILWAUKEE MINNEAPOLIS  
INDIANAPOLIS ST. LOUIS

Middlewestern Sales Agents For  
MICHIGAN ALKALI CO'S  
SALES DEPARTMENT

**WISHNICK-TUMPEER  
CHEMICAL COMPANY**

**MAGNESIUM  
CARBONATE**

Stocks at

Chicago Cleveland Brooklyn

**Magnesium  
Carbonate**

INDUSTRIAL CHEMICALS  
A. DAIGGER & COMPANY  
54 W. KINZIE ST., CHICAGO

**A. C. DRURY & CO.**

106 E. AUSTIN AVE., CHICAGO, ILL.  
Phone Central 2348 and 2349

Western Headquarters On  
Kaoilin—Italian Talc—Ozokerite Wax  
Zinc Stearate—Zinc Oxide—Filter Paper  
Stearic Acid—Rice Starch—Waxes  
Gums, Etc.

## Illinois (Cont.)

**DEPENDABLE SERVICE  
Benner Chemical Company**

208 South La Salle Street, Chicago, Ill.  
Soda Ash, Caustic Soda, Neutral  
Soda, Washing Soda, Cleaner and  
Cleanser, Bicarbonate of Soda,  
Tri Sodium Phosphate, Oxalic  
Acid.

Address All Communications to Main Office

## Indiana

**MATHIESON**  
Liquid Chlorine • Caustic Soda • Soda Ash  
Bleaching Powder • Anhydrous Ammonia  
Modified Virginia Soda • Bicarbonate of Soda

Aqua Ammonia  
Brimstone  
Sulphur  
Saltpetre (Potassium  
Nitrate)  
Sodium Nitrate  
Potassium Chloride  
Amyl Acetate  
Butyl Acetate

Ethyl Acetate  
Butyl Alcohol  
Refined Fuel Oils  
Ether  
Alum (Aluminum  
Sulphate)  
Turpentine  
Rosin "F"

**The ULRICH CHEMICAL CO.**

606 OCCIDENTAL BUILDING  
INDIANAPOLIS

Main 6879—Lincoln 6879

Western Sales Agents for

**ACETATES**

Amyl Ethyl Butyl

**IODIDES**

Potassium Sodium Ammonium

Manufactured by

**Witbeck Chemical Corp'n**

ALBANY

NEW YORK

## Massachusetts

**MATHIESON**  
Liquid Chlorine • Caustic Soda • Soda Ash  
Bleaching Powder • Anhydrous Ammonia  
Modified Virginia Soda • Bicarbonate of Soda

Zinc Dust—Tri Sodium—Irish Moss  
Albumen—Epsom—Lithopone  
LEONARD W.

**CRONKHITE  
INCORPORATED**

305 Congress St., Boston.

Cong. 5686

## Massachusetts (Cont.)

**ROGERS & McCLELLAN**  
Industrial Chemicals  
136 FEDERAL ST. BOSTON  
New England Agents for—  
Jefferson Distil. & Denaturing Co.  
**Denatured Alcohol**

Seaboard Chemical Co.

**Methanol**

**Methyl Acetone**

Penn. Chemical Works

**Lye**

Atlantic Carbonic Co.

**Glauber Salts**

Franco-American Chemical Works

**Amyl Acetate**

**Butyl Acetate**

Eastern Agents for—

Battelle & Renwick

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**Salt Petre**

**E. & F. KING & CO.**

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**INDUSTRIAL CHEMICALS**

New England Distributors

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MODIFIED SODAS, SODA ASH, CAUSTIC

SODA, CARBONIC SODA, SAL SODA,  
AND BICARBONATE OF SODA

399-409 Atlantic Ave., Boston

**DOE & INGALLS, INC.**

106 MILK STREET  
BOSTON

Congress 7031

**PYROXYLIN**

LACQUERS—DOPES—SOLVENTS

**CEMENTS**

Waterproofing

**HOWE & FRENCH**

Established 1834

99 Broad St., Boston, Mass.



# Local Spot Stocks

## Missouri

### G. S. ROBINS & CO.

"Chemicals With Service"  
513 S. 2ND ST., ST. LOUIS  
Vanillin and Coumarin, Food Colors,  
Glycerin, Fruit Flavors  
Bakers, Confectioners and Ice Cream  
Supplies

Distributors for  
**MATHIESON**

Liquid Chlorine-Caustic Soda-Soda Ash  
Bleaching Powder-Anhydrous Ammonia  
Modified Virginia Soda-Bicarbonate of Soda

## Ohio

### The Chemical Utilities Co.

#### Industrial Chemicals

Acetic Acid      Muriatic Acid  
Battery Acid      Sulphuric Acid  
Silicate of Soda      Alkalies

#### Denatured Alcohol

Cincinnati      1515-17 W. 6th St.

## Pennsylvania (Con't.)

### CHEMICALS FOR ALL INDUSTRIES

ALKALIES, ACIDS  
DRY COLORS, STARCHES  
SOLVAY CAUSTIC SODA  
SOLVAY SODA ASH  
PROSPERITY MODIFIED SODA

GEORGE S. COYNE  
CHEMICAL CO., Inc.

114 Walnut St.      Philadelphia

## Pennsylvania

### Flavors—Food Colors

#### Essential Oils

### Millard-Heath Co.

216 Pine Street - - St. Louis, Mo.

### Chemicals and Oils

FOR  
TEXTILE  
LEATHER  
PAPER  
RUBBER  
PAINT, ETC.

ALEX. C. FERGUSON, JR.  
450 Chestnut Street, Philadelphia  
Est. 1892      Lombard 3210-3211

### SODA ASH CAUSTIC SODA

#### Tri Sodium Phosphate

Complete Warehouse Stocks  
CLEANSING SODAS—ALKALIES

BI-CARBONATE  
SILICATE  
NITRATE  
Etc., Etc.

Authorized Distributors for Diamond  
Alkali Co. and Victor Chemical Works

### Rodgers Chemical Co., Inc.

412 Fitzsimons Bldg., Pittsburgh  
For Interested Service—Call COURT 1199

### BASIC FACTORS

Liquid Chlorine - Copperas - Bleach  
Filter Alum - Hydrated Lime Hypochlorite  
for the waterworks

### THOMPSON, HAYWARD CHEMICAL CO.

Stocks at

Kansas City      St. Louis  
2932 Fairmount Ave.,      305 Arsenal St.

## Rhode Island

GEORGE  
MANN  
and CO., INC.

Providence, Rhode Island

SODA ASH  
CAUSTIC SODA  
SODIUM SULFIDE  
CALCIUM CHLORIDE  
AMMONIA  
STEARIC ACID

## New York

Headquarters in Western New York

### Industrial Chemicals

Alcohols      Naval Stores  
Pigments      Misc. Oils

ROLLS CHEMICAL CO.  
ELL/COTT SQ. BLDG., BUFFALO

### CONSUMERS CHEMICAL CO.

Crescent Building, Philadelphia

ASH  
CAUSTIC  
TEXTILE  
LAUNDRY  
SPEC. ALKALI  
BICARBONATE

**SODA**

Immediate Truck Deliveries

YOUR card here  
stamps you as head-  
quarters in your terri-  
tory—

One inch \$30, three months  
Two inches, \$50, three  
months  
Three inches, \$75, three  
months

Sold on the yearly order.

## Texas

**SULPHURIC ACID  
CHEMICALS**  
CARLOTS - CONTRACTS - LESS CARLOTS  
WAREHOUSE STOCK AT - DALLAS  
HOUSTON-TULSA-WICHITA-FALLS-SAN ANTONIO  
CORPUS CHRISTI-SHREVEPORT-LITTLE ROCK  
BANKERS MORTGAGE CO.  
JOE BARLOW, Distributor  
DALLAS, TEXAS  
2507 HARRISON ST.

### PIERCE & STEVENS, INC.

Alcohols Chemicals Solvents

SINCE 1884



710 OHIO STREET  
BUFFALO, N.Y.

# USED MACHINERY MARKET

*The Market-place for Used Machinery, Equipment, Drums,  
Carboys, etc., Used by the Chemical and Allied Industries*

## FOR SALE ENTIRE PLANT DRYERS, KETTLES, BOILERS, TANKS, CRUSHERS, FILTERS

and all other  
equipment

As Well As

22 ACRES FRONTING  
1700 FEET ALONG PAS-  
SAIC RIVER, GREATER  
NEW YORK DISTRICT

Phone or Write Owners

**F. J. LEWIS MFG. CO.**  
Mulberry 3800  
NEWARK, N. J.

### FOR SALE

**YARYAN EVAPORATOR**—1-8 coil  
triple effect with heater, condensed  
pump, rebuilt by Manufacturer.  
**DRYERS**—2-6x25 Louisville steam; 1  
6x40 Louisville Direct; 1-3x15 Buho-  
vak Rotary Vacuum.  
**Technical Economist Corporation**  
40 Rector St. New York, N. Y.  
Phone - Whitehall 5243 Cable - Herenco

### NEW AND USED EQUIPMENT

For Paint, Varnish, Insecticide, Dry  
Color and Chemical Manufacture

**THE SHERWIN-WILLIAMS CO.**

EQUIPMENT DEPT., 601 CANAL ROAD  
CLEVELAND, OHIO

### OFFERED FROM STOCK

12 Vacuum Shelf Dryers, Nos. 5-28  
20 Truck and Tray Type Dryers, vari-  
ous sizes and types  
10 Centrifugal Machines, copper and  
steel basket, 12-60"  
16 Filter Presses, iron and wood, Sweet-  
lands and other types  
Copper Stills and Sulphonaters, iron and  
steel, 50 gal. - 2,000 gal.  
6 W.B.P. Heavy Duty Mixing Machines,  
various sizes  
10 Schutz-O'Neill Pulverizers, 28 inch.  
6 Raymond Pulverizers, 0-0000  
4 Mead Mills  
2 Brand New General Ceramics Stone-  
ware Blowers  
2 Glen Falls Sulphur Burners  
*Send Us Your Inquiries*  
**Consolidated Products Co., Inc.**  
15 Park Row Phone Barclay 0601  
New York City

## SULFUR IN 1925 TOTAL 1,409,240 TONS

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., March 24—The production of sulfur in 1925 amounted to 1,409,240 long tons compared with 1,220,561 tons in 1924, and has been exceeded only by the production of 1921, 1922, and 1923, according to the Bureau of Mines, Department of Commerce. Shipments from mines in 1925 totalled 1,857,970 long tons compared with 1,537,345 tons in 1924, and were greater by 239,129 tons than the shipments in 1923, the previous year of greatest movement. As in 1924 shipments were considerably in excess of production. Stocks in the hands of producers were thus reduced from 2,700,000 long tons at the beginning of the year to 2,250,000 tons at the end of the year, the lowest level since the end of 1921, and 750,000 tons lower than those on hand at the end of 1923. The estimated value of the shipments in 1925 is \$29,000,000.

For a number of years prior to 1925, over 99 per cent of the sulfur production of the country came from the mines of Louisiana and Texas, but abandonment of operations at the original big sulfur mine in Louisiana in 1924 left only the Texas mines as large producers and in 1925 over 99 per cent of the production came from them. Shipments of Louisiana sulfur are still being made from stocks, and small shipments were made in 1925 from Nevada and Utah mines.

Exports of sulfur or brimstone in 1925 were the largest ever recorded, being 629,401 long tons, compared with 482,114 tons in 1924, and were 30 per cent higher than those of 1922, the previous year of highest record. Of the exports in 1925 Germany received 136,972 tons; Canada, 125,681 tons; France, 110,684 tons; and Australia, 71,530 tons. Exports of refined, sublimed, and flowers

of sulfur totaled 6,381,791 pounds, of which Canada and Mexico received the major portion. As usual the imports of sulfur were negligible.

Two hundred thousand motor vehicles of all classes used distilled glycerine as an anti-freeze solution since the beginning of this season's cold weather, according to a report of the National Glycerine Service, after an investigation covering all states in which freezing weather prevails. The National Service continues to caution users of distilled glycerine that all parts of the radiator should be serviced with extra care, so as to be glycerine-tight, which is even tighter than water-tight. Glycerin like any pure oil seeps through many crevices which would otherwise be tightened with the rust from water.

Agents of foreign houses selling pharmaceuticals in Turkey, are not allowed to carry stocks for immediate delivery unless they are registered pharmacists themselves, according to the "Chemist and Druggist," London. They can act only to take orders, transmit them to the firms they represent, deliver the goods when they arrive, and collect payments.

Druggists' Exchange Inc., 4th and Vine sts., Philadelphia, wholesale druggists, discontinued business. Stock and fixtures were sold at auction on Tuesday, March 9.

The American Pharmaceutical Association has announced that the National Formulary V cannot become official prior to July 1, 1926.

Lucille Young, manufacturer of toilet goods, is planning a newspaper and magazine advertising campaign.

# Wants & Offers

Rate—All classifications, \$1.00 an issue for 20 words or less, additional words, 5c each, per issue.

Payment—Must accompany order, add 10c if replies are to be forwarded.

Address "Wants & Offers"  
**DRUG & CHEMICAL MARKETS**  
 25 Spruce St., New York

## Bids and Proposals

THE DEPOT quartermaster, Marine Corps, Philadelphia, will open bids Apr 5; sched. 475 for 400 gals. liquid cresolis compositus U. S. P., disinfectant, and 12,000 lbs. naphthalene.

BIDS are wanted Mch. 25 under req. aero 1349 by the navy aircraft factory, Navy Yard Philadelphia; 300 lbs. Acetic acid, 100 lbs. Pyrogalllic acid, 10 lbs. Sulphuric acid, 10 lbs. Ferricyanide potassium and 75 lbs. Meta-bisulphite potassium.

## Business Opportunities

HAVE you a specialty which is salable to the public requiring experienced handling in the preliminary steps of name, trademark, slogan, packages, advertising etc. I specialize in this and have many successful campaigns to my credit. Box 408, DRUG & CHEMICAL MARKETS.

PATENTS—Write for free book

**MUNN & CO**

Associated since 1846 with the Scientific American.

641 Woolworth Building, New York City  
 530 Scientific Amer. Bldg., Washington, D. C.  
 139 Tower Bldg., Chicago, Ill.  
 662 Hobart Bldg., San Francisco, Cal.  
 517 Van Nuys Bldg., Los Angeles, Cal.

## Business Opportunities

WANTED to manufacture a chemical pharmaceutical cosmetic or similar product. Chemical plant in metropolitan district, 10,000 sq. ft. available, power, heat, railroad siding, trucks. Wants to make goods for established selling organization. Box 419, DRUG & CHEMICAL MARKETS.

PROMINENT physicians & others testify to the splendid results in the treatment of hardening of the arteries with

### SKLEPOLSYRUP

The representative of the Mariatherma Medical Factory Co., Ltd., in Marienbad Czechoslovakia, wishes either to sell the Patent, or the License for U. S. A. Address Robert Kars, 424 W. 43rd St., New York City.

WE OFFER a medicinal tonic, 12 pints to case at a surprisingly attractive price to a broker who can handle quantity. Uninterrupted output. Box 391, DRUG & CHEMICAL MARKETS.

FOR SALE—myrtle leaves and powder in any quantity. Connection desired with direct buyers or commission agents. Samples and quotations gladly given. Shipments c. i. f. or f. o. b. Please write. The Faridabad Myrtle Supply Co., 498 Gaudi Gali, Delhi, India.

DEALERS with established foreign connections to handle our Liquid Insecticides. Line of high quality. Packages from 1/2 pint to 55 gal. drums. Ralph B. Adams, Lakeville, N. B. Canada or Monticello, Maine.

## Situations Wanted

GERMAN Agent wishes to represent American houses buying and selling drugs, chemicals, etc. First class references furnished. Box 418, DRUG & CHEMICAL MARKETS.

CHEMIST—Seven years experience in research and plant manufacture of dyes and intermediates. Good line of Azo and Vat colors. Would like to get in touch with substantial concern. Or would consider making small investment in plant where his services could be used. Not adverse to other chemical lines. Box 416 DRUG & CHEMICAL MARKETS.

NOVELTIES FOR WAX GOODS MANUFACTURING WORKS: Serious, ambitious, German, 37 years, having been previously already abroad, experienced in fruit manufacturing of every kind and other novelties (in wax) in finest execution, seeks immediate SITUATION IN AMERICA. Applicant possesses also knowledge of manufacturing, show-window figures and dolls of every kind, candles also with ornaments, shoe creme, rubbing wax, torches, etc. Advertiser has already equipped two factories on basis of manufacturing articles in masses. First class references at disposal. Formerly proprietor of Chemical works. Offers to I. Wolfertstetter, Traunstein, Upper-Bavaria, Germany.



**Pickwick Arms**  
 (at Greenwich, Connecticut)

## The American Association of Textile Chemists and Colorists

is invited to observe the reaction upon the human system of appetizing Pickwick food, of outdoor sports in the invigorating Greenwich hills, or dancing to the music of a crack jazz orchestra. After working out this week-end formula you will be glad your attention was called to this inn of unusual hospitality.

Edw. C. Railing, Manager  
 Formerly of the Plaza, New York.

*Malter Toggiani*  
 President.

**Help Wanted**

**BRANCH MANAGERS**—Heavy Chemical manufacturer discontinuing sales through agencies seeks capable and reliable men for direction of small sales staffs and branch offices in New England, Middle West and South. Only experienced men of highest standing who write fully in strict confidence will be considered. Salary and liberal commission on all sales in territory above quotas based on present volume. Box 413, DRUG & CHEMICAL MARKETS.

**AN UNUSUAL OPPORTUNITY FOR A CHEMIST**—A manufacturer of proprietary articles with a world-wide distribution is looking for a man with the following qualifications. Must be experienced pharmaceutical chemist with ability to head up a division of research on new products. Must know the needs of the proprietary field so that he can create new formulae and assist advertising and sales departments in putting them on the market. Must be able to conduct clinical investigations and test-selling campaigns. Give training, experience and all details in first letter. Address Box 373 DRUG & CHEMICAL MARKETS.

**THE PROCESS DIVISION** of the Atlantic Refining Company, located in Philadelphia, has several openings in organic research, and plant development work for chemists, chemical engineers and mechanical engineers of from one to three years' practical experience, not necessarily in petroleum. Graduate work will be considered as a substitute for practical experience. Applicants must be graduates of recognized technical colleges. Please tabulate reply, giving details as to age, marital state, nationality, education (schools attended and degrees obtained) experience (names of concerns, type of work and reasons for leaving), references. We should appreciate receiving a snap shot or other photograph of the applicant, which will be returned if desired. Application should be typed if possible, and addressed to "Office Personnel Division, The Atlantic Refining Company, 260 South Broad Street, Philadelphia, Penna."

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**SALESMAN WANTED**—A large New York drug firm wishes to secure the services of a representative in New Orleans and Texas territory having contact with the wholesale and manufacturing drug trades and allied lines. Preferably one already soliciting this business, who can also handle an additional line. Box 409 DRUG & CHEMICAL MARKETS.

**CHEMIST & PERFUMER**—Married man with pharmaceutical education, thoroughly experienced and capable of manufacturing and assembling a full line of household and veterinary remedies, flavoring extracts, cosmetics, perfumes and toilet preparations, for a large mid-west concern. Must have a thorough knowledge of bottling labelling and packaging and be fully competent to direct and manage laboratory help. State age, height, weight, salary expected, with full details of past experience and give references and names of past employers in first letter. Box 397, DRUG & CHEMICAL MARKETS.

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**FOR SALE**—Wahoo Bark of Root—Black Hawk Bark.—Write or wire for offerings. Ralph Rosenthal & Co., 201 Main St., Cincinnati, O.

**Miscellaneous**

**FOR SALE**—Fifty gross one ounce Coty type bottles at a sacrifice. Box 405, DRUG & CHEMICAL MARKETS.

**CHEMICAL PERIODICALS**—Chemical Abstracts, Chemical Journals, London; Journal Society of Chemical Industry; Bulletin Societe de Chemie. We have for sale back copies of domestic and foreign publications. Address "J. Login & Son, 29 East 21st St., New York City."

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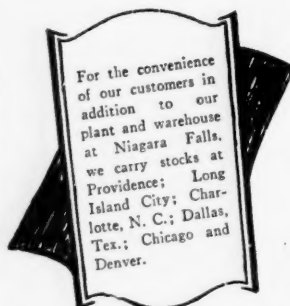
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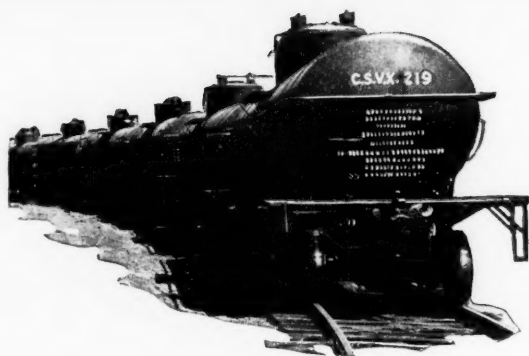
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